



CATALOG No. 396



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# ELECTRICAL Appliance, Equipment and Supply CATALOG

« No. 396 »

In offering this, our latest Electrical Catalog we have listed only high quality goods at the lowest possible prices, and beg to assure you that our greatest ambition is to please you and your customers.



We stock most all items listed in this catalog

Janney, Semple, Hill & Co. Minneapolis, Minn.

# JANNEY, SEMPLE, HILL & CO.

# WHOLESALE HARDWARE

Established 1866



#### MAIN BUILDING AND OFFICES

20 to 26 South Second Street, 100 to 128 Marquette Avenue, 19 to 29 South First Street MINNEAPOLIS, MINN,



OUR CONCRETE FIREPROOF RAILROAD TRACK WAREHOUSE

Corner Third Avenue South and First Street

#### ELECTRIC COFFEE PERCOLATORS

#### Universal

Make Perfect Drip Coffee Automatically—the water drips as it heats. Almost immediately after current is turned on the patented quick-acting pump starts circulating the water and the exclusive Universal cone-perforated spreader plate so distributes the liquid through the coffee that a full-flavored beverage is obtained with one-third less coffee. Solid Copper Seamless Bodies. Chromium Plated Finish. Aluminum Interior Fittings. Heat-Proof Glass Tops. Units Protected by Patented Safety Fuse Plug. Inside Nickel Plated. Tin Lined.

Thermostat automatically cuts off current should water boil dry, thereby preventing burn outs. To adjust thermostat after it has cut off current merely push lever on under side of percolator to "on".

# DEVONSHIRE PATTERN Mahogany Composition Handle and Feet



Chromium finish.

No.	E2007
Capacity, cups	7
Height overall, inches	115/8
Weight packed, lbs	4
Watts	400
Each	\$9.95

# PURITAN PAYTERN

Black Handle



Chromium finish

Cindinan inisi.	
No.	E7279
Capacity, cups	9
Height overall, inches	113/4
Weight packed, lbs	41/2
Watts	400
Each	\$8.95

#### PILGRIM PATTERN

Black Handle



Chromium Finish

No	E7236
Capacity, cups	- 6
Height overall, inches	101/4
Weight packed, pounds	4
Watts	400
Each	\$6.95



#### BIG FIVE PATTERN

Black Handle



Chromium Finish.

No. Capacity, cups	E7506
Weight packed, pounds	33/4
Watts	400 \$4.95

# UNIVERSAL PERCOLATOR SAFETY FUSE PLUGS



If contents should boil dry fuse will melt and automatically break the circuit. A new fuse can be inserted in a moment and the Percolator is again ready for use.

Equipped with 6 Ft. Art Silk Cord

Packed one in a carton

All above for operation on 110-120 V olt A. C. or D. C. Current.

# ELECTRIC TOASTERS Universal

#### DOUBLE-QUICK OVEN TOASTER



Meets the demand for a large capacity toaster where the ordinary single slice type is not fast enough to meet family requirements. Toasts both sides of two slices at a time. Bread rack tips out and down on hinge.

Black bakelite handles and fibre feet. Chromium finish. Six ft. art silk cord.

Watts	43/4 660 66.95
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Voltage 110—Operates on 110-120 AC or DC.

One in a carton.

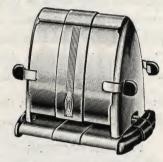
#### CORONET PATTERN



Modernly streamlined, chromium finish, trimmed with decorative "Platina" Panel and black bakelite trimmings. Takes large slice of bread 5x434 in. Opening the rack turns the toast. Nichrome wire units are wound on mica. Six ft. art silk cord.

One in a carton.

#### MAYFAIR PATTERN



The "Mayfair" Turn-Easy Toaster is finished in mirror bright chrome. Its appealing design follows the lines of the "Coronet" pattern without the "Platina" panel decoration and with chestnut brown, instead of black, bakelite trmimings, Takes slice of bread 5x434 inches. Opening the rack turn the toast. Units are Nichrome wire wound on mica. Six ft, art silk cord.

One in a carton.

#### WORTHINGTON PATTERN



White Composition Knobs & Handles Chromium Finish.

Six ft. art silk cord.

Number	E7212-
Height overall, inches	71/4
Takes slice of bread, ins	5x43/4
Weight packed, lbs	3
Watts	625
Each	\$3.25
Dep't-2	XOZ

Operates on 110-120 AC or DC.
One in a carton.

#### STREAMLINED PATTERN



Brilliant Tarnish-Proof Chromium and Solid Walnut Handles.

Six ft. art silk cord.

Number	E8212
Height overall, inches	71/4
Takes slice of bread, inches .	5x43/4
Weight packed, lbs	31/2
Watts	625
Each	\$2.95
Dep't-2	AEO
One in a carton.	

## TURN-EASY TOASTER

32 Volt



Opening the bread rack turns the Toast. Black knobs and feet.

Packed one in a carton.

NOTE-6 pieces or more assorted subject to AZ% discount from list prices.

#### **ELECTRIC WAFFLE MAKERS**

#### Universal

Adjustable Automatic Waffle Makers automatically regulate and maintain the heat by a simple and accurate adjustable thermostatic control. A soft signal light glows while grids are preheating. When proper baking temperature is reached it signals the fact by going out. After batter is poured it shines steadily while waffle is baking and goes out when waffle is perfectly done. Non-Automatic Waffle Makers have heat indicators to show when grids are at the correct baking temperature. Insulated

base prevents scorching of table or covering.

#### MIXABLEND

#### Universal



Mixes—Blends—Whips cream, icings, sauces, eggs, puddings, mayonnaise and other foods including light batters.

Purees food for babies or special diets, making it easier to assimilate their energy.

Chops mushrooms, peas, onions, etc. for soups.

Liquefies fruits and vegetables for nourishing health drinks.

Blends cocktails, drinks and other beverages to a velvety smoothness or icy coldness.

Liquid measuring chart on quart glass shows ½ cup to 4 cups and from 4 to 32 ozs—Two-speed extra powerful motor with 3-position switch—Motor equipped with self-lubricating ball bearings—Six finest cutlery stainless steel cutters—Black bake-lite cover—Equipped with radio interference eliminators. Permanently attached six foot cord.

One in a carton.

6 pieces or more assorted subject to A2% discount from list prices.

#### DEVONSHIRE PATTERN



#### Mahogany Composition Handles— Chromium Plated

With 6 ft. art silk cord.

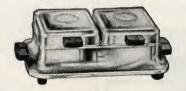
Dia. of grids, inches	71/2
Weight packed, lbs	7
Watts	660

No. E2024—With adjustable automatic heat control. Each......\$9.95

Dep't-2

One in a carton.

#### TWIN WAFFLE IRON



#### Solid Walnut Handles and Feet— Chromium Plated.

With 6 ft. art silk cord.

Size each Grid, ins	5x53⁄4
Size Tray, inches	7½x12
Wt. packed, lbs	7
Watts	750

One in a carton.

#### CORONET PATTERN



Distinctive "Platina" panel is added to low sweeping lines. Black bakelite handles and feet. 7½ inch Aluminum Grids, mirror finished to reduce possibility of sticking. Chromium plated. With 6 ft. art silk cord. Wt. each, 7¼ lbs.

No. E1324—660 watts. With adjustable automatic heat control.

One to a carton.

#### MAYFAIR PATTERN



Finished in glistening chrome and trimmed with chestnut brown bakelite. 7½ inch Aluminum Grids. With six ft. art silk cord. Wt. each, 7 lbs.

No. E1204—660 watts. Non-automatic with heat indicator.

with heat indicator.

One to a carton.

Dep't-2

All Automatic Irons Operate on 110-120 Volt AC Only.

All Non-Automatic Irons Operate on 110-120 Volt AC or D C.

NOTE-6 pieces or more assorted subject to ^2% discount from list prices

#### SANDWICH TOASTER AND WAFFLE MAKERS Universal

#### COMBINATION SANDWICH TOASTER AND

WAFFLE BAKER Coronet Pattern



A new smartly designed Sandwich Grill that brims with sales appeal. This distinctive pattern sparkles with newness that is further increased by its attractively decorated "Platina" panel and fancy black bakelite handles. Expansion hinge permits toasting "3 decker" sandwiches. With Waffle Grids it becomes a perfect Waffle Maker. Also makes pancakes, fries eggs, chops, bacon and even a small steak. Aluminum Grids 101/4x53/4 in. Equipped with drip cup and 6 ft. Underwriters' Approved Cord. Watts

No. E1364-With Automatic Adjustable Heat Control and set of interchangeable flat and waffle grids. Weight, 91/2 pounds. Each ......\$10.95 Dep't-2

No. E1360—Same as above excepting less Automatic Heat Control. Each......\$8.95 Dep't-2 One in a carton.



#### COMBINATION SANDWICH TOASTER AND WAFFLE BAKER

Chevalier Pattern



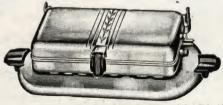
Adjustable automatic. Expansion hinge permits toasting sandwiches of any thickness and Top Grid to be turned back for flat surface cooking. Signal light indicates when to place sandwiches in toaster and automatic feature maintains desired cooking temperature. Drip Cup. Walnut handles. Chromium Plated. Six foot cord. Watts 1000. For A. C. only.

No. E8564-With Automatic adjustable heat control and set of interchangeable flat and waffle grids. Weight 91/2 pounds. Each .....\$9.95 Dep't-2

One in a carton.

#### SANDWICH TOASTER

Coronet Pattern



Smartly designed Sandwich Grill with Platina panel and fancy black bakelite handles. Expansion hinge permits toasting 3 decker sandwiches. Makes pancakes, fries eggs, chops, bacon and even a small steak. Aluminum grids 101/4x53/4 inches. Equipped with drip cup and 6 ft. cord.

No. E1370—With Flat Grids only. Weight each, 91/4 lbs. Each ......\$6.95 Dep't-2

One in a carton.

Note-6 pieces or more assorted subject to ^2% discount from list prices.

#### **ELECTRIC HEATING PADS**

Universal

All pads operate on 110-120 volts—Underwriters Approved (Except 9147).

THREE-HEAT FOUR THERMOSTATS
Silk Quilted Zipper Cover permits removal of cover for washing—Cellophane Display Box.



Four separate thermostats positively maintain any one of three different heats. High 185°, Medium 150° and Low 115° are controlled by switch in cord. Different heats may be determined in the dark by raised projections on switch case. Preheaters on thermostats prevent overloading

and overheating. Size 12x15 inches Nine foot cord. Nonradio Interfering. Additional equipment consists of separate washable muslin slip and rubber water-proof cover. No. 9746—Pastel Green. Watts 65. Weight packed, 234 pounds. Each \$6.95

#### THREE-HEAT-FOUR THERMOSTAT



No. E9930—Pearl gray color. Four separate thermostats positively maintain any one of three different heats. High 185°, Medium 150° and Low 115°, are controlled by switch in cord. Different heats may be determined in the dark by raised projections on switch case. Size 12x15 inches. Nine foot cord. Made in conformance with Underwriters' Specifications. Non-radio Interfering. Additional equipment consists of separate washable muslin slip and rubberized water-proof cover. Long tie-on tapes make it easy to tie pad to any part of body. Each ..........\$4.95

#### THREE-SPEED-TWO THERMOSTAT



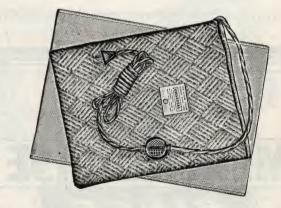
Three speeds controlled by cord switch. High heat is controlled by two thermostats. Projections on switch case enable user to regulate heat in the dark by sense of touch. Cedar colored covering, size 12x15 inches. Eight foot cord. Non-radio interfering. Includes separate washable muslin slip and rubberized waterproof cover.

#### THREE HEAT—TWO THERMOSTATS



Three speeds controlled by cord switch. High heat is controlled by two thermostats. Preheaters on thermostats prevent overloading and over-heating. Projections on switch case enable user to regulate heat in the dark by sense of touch. Patterned green double nap blanket cloth, size 12x15 inches. Eight foot cord. Non-radio interfering. Includes separate washable muslin slip and rubberized water-proof cover.

#### THREE-HEAT—TWO THERMOSTAT



High heat is controlled by two carefully regulated thermostats. Three speeds are adjusted by switch in cord. Preheaters on thermostats prevent over-loading and overheating. Cedar Colored Eiderdown Cover with eight foot cord to match. Non-radio interfering. Includes separate washable muslin slip.

#### **ELECTRIC CURLING IRONS AND IRONS**

Universal

**CURLING IRONS** 



An outstanding value among Curlers. Nickel Plated %-inch diameter rod and clamp. Gray Enameled Handle with permanently attached 6 foot cord. Super Nichrome Unit.

No. E9505—18 Watts. Weight packed, 9 ozs. Each ..\$1.25

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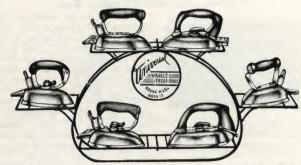


Chromium Plated 36 inch Rod and Clamp. Lavender Enameled Handle. Permanently attached 6 ft. cord. Metal Rest for curler. Will give years of satisfactory service.

No. E7522—18 Watts. Wt. packed, 11 ozs. Each....\$1.95



UNIVERSAL IRON DISPLAY



No. 1212 Furnished FREE with purchase of any 6 Universal Electric Irons.

Excellently designed to occupy a minimum of space it prominently displays irons to the best advantage without obstructing view across the store. Its Orange and Blue Finish makes a pleasing contrast against the Chromium Finish of the Irons.

Overall size, 31 inches long, 12¼ inches high, 6½ inches deep.

# STREAMLINED WRINKLE-PROOF AUTOMATIC IRON

Air-Cooled for Greater Comfort



Universal scores again—in miles—ahead styling and a revolutionary new air-cooled feature for greater comfort. Ports in the novel super-deck construction dissipate rising heat currents ordinarily not dispersed, these heat currents cause discomfort and redden and coarsen the hands. Heat control dial shows markings such as silk, cotton, linen, etc. Off position on control dial cuts off current. Chromium plated. Clever cool black bakelite handle that fits the hand naturally and restfully. Six foot cord permanently attached.

#### **ELECTRIC IRONS**

#### Universal

Adjustable Automatic—Finger-tip control gives any ironing temperature desired—saves on current and eliminates continual "plug-pulling."

Wrinkle-Proof Design-Round heel an exclusive feature irons backward and sideways as easily as forward without wrinkling the fabric.

Finely Tapered Point and Beveled Edges-Slip easily under small or large buttons and into finest pleats. High grade, long life Nichrome units distribute heat evenly from point to heel.

#### AUTOMATIC WRINKLE-PROOF IRON



Chromium finish. Hand shaped brown bakelite handle. Fabric marked control dial with off position for current cut off.

	E7885
Watts	. 800
Weight, lbs	. 5
Each	. \$5.95

#### NON-AUTOMATIC WRINKLE-PROOF IRONS



Chromium Finish-Mahoganized Handle

Number	E7709
Watts	580
Weight, lbs.	6
Each	\$3.50

# NON-AUTOMATIC WRINKLE-



AUTOMATIC WRINKLE-PROOF

IRON

Chromium finish. Fingershaped black bakelite handle. Fabric marked control dial.

Number	E7785
Watts	700
Weight, lbs	6
Each	\$6.50

# PROOF LIGHT WEIGHT IRON



Chromium Finish-Walnut Handle.

Number	E8703
Watts	580
Weight, Ibs	31/2
Each	\$3.95

#### NON-AUTOMATIC TRAVEL IRON



#### Chromium Finish-Mahoganized Handle

Easily detachable handle with two compartment, green suede carrying bag-takes up no more space in a week-end case than the average size hand bag.

Number	E1020
Watts	400
Weight, pounds	2
Each	\$3.95

#### ROUND HEEL IRON

32 Volt



Wrinkle-Proof Round Heel will not wrinkle fabric on back stroke. Finely tapered point and beveled edges.

No. 729-32—Black handle. Chromium finish. Weight of iron, 614 lbs. Weight packed, 734 lbs. Watts 525. Each Dep't-2

One in a carton.

All above packed one to a carton and equipped with 6 foot Art Silk Cord.

All Automatic Irons Operate on 110-120 Volt AC Current only.

All Non-Automatic Irons Operate on 110-120 Volt AC or DC Current

#### **ELECTRICAL GOODS**

#### SUNBEAM AUTOMATIC IRON

-Ironmaster-



Heats quicker, stays hotter, irons faster. The new Ironmaster has the same patented Double-Automatic Heat Control that has made Ironmaster famous. It reaches Low heat for artificial silks in 30 Seconds—Full Ironing Heat for heavy damp linens in 2½ Minutes. The fastest heating iron ever made. It has the same Heat Regulator up in the handle—conveniently marked for Artificial Silks—Silks—Wool—Cotton—Linen.

Another new feature is the permanently attached plug built right into the easy-grip handle and all out of the way of the wrist.

No. A4—Ironmaster. Weight 334 lbs. 1000 watts. Operates on 110-120 volt A. C. current only. Each . . . . . . \$8.95

No. A4L—Left hand style iron. Same as right hand iron excepting cord set installed on opposite side of handle. Weight, 3¾ pounds. Each .....\$8.95

#### COLEMAN IRONS

1100 Watts. Super-Speed, Automatic, Adjustable Heat Control, Chromium Finish



Here is tomorrow's "Super Iron" ready today. It leads the field with new Super-Streamlined beauty, Super-Speed and Super-Power to bring the user better, easier and faster ironing. It's a smash hit that will bring steady sales to the dealer because it has everything needed for complete consumer satisfaction...all the newest and finest Coleman features. Each iron sold will help sell more irons. Light in weight—4% pounds—for greater ease in handling. Extra heat does the work of extra weight.



#### SAD IRONS

#### AUTOMATIC IRON Handyhot



Full size gracefully streamlined iron with beveled edge sole plate to make close ironing easy. Fabric marked dial.

Finished in heavy polished chrome plate with comfortable large handle, and thumb-rest carved in handle. Has long-life, quick-heating element. Supplied with tip-up backrest, and Underwriters' Approved Cord Set.

No. 1504H—1000 watts for 110 volts

A. C. operation only. Weight each, 4½

pounds. Each .............\$4.25

Packed one to a carton.

#### AUTOMATIC IRON Kwikway



Any desired temperature by setting convenient heat regulator. Finger-tip adjustment. Proper temperature for any fabric may be selected. Streamlined design—Super Brite chrome plated finished. Large ironing surface for rapid ironing. Patented embedded element assures direct, even heat. Long flexible cord with rubber grip plug. Underwriters approved.

#### AUTOMATIC IRON Kwikway



Any desired heat by setting the convenient heat regulator for ironing different fabrics. Highly polished chrome finish. Large ironing surface. Patented embedded element assures direct even heat. Comfortable hand shaped handle. Listed by Underwriters' Laboratories.

Note: Cord set not included. Can be used with standard cord set.

#### K-M ELECTRIC IRON



An attractive utility iron with flowing lines and patented walnut trimmed Cush-N-Grip handle. Fully finished in chrome. Heating element of Nichrome wire embedded in ceramic material in the sole plate. Gives long life and efficient heat. Comes with Underwriters' Laboratories labeled cord and rubber grip plug. Listed as standard by Underwriters' Laboratories.

No. 419-9KM.—Iron. 660 watts, 115 volt A.C. or D.C. One to a carton. Weight each, 3½ lbs. Each ....\$2.95

#### FOLDING TOURIST IRON



A new sales sensation. Folds flat. Packs compactly. Weighs only 2 lbs. Full size sole plate. Nickel finish. Handle very rigid when erected. With cord set.

No. 1202H—400 Watts for 110-120 volts A. C. or D. C. Weight packed one to a carton, 2¼ lbs. Each...\$1.69

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We Carry a Com-

plete Line of

Electric Fixtures

# LIGHTWEIGHT ELECTRIC IRON Handyhot



Gracefully streamlined full household size, with a comfortable polished ivory enamel handle. Polished nickel finish. Bevelled edge soleplate provides a large ironing surface, evenly heated with a high quality heating element. Bevelled edge permits easy ironing or ruffles, pleats and around buttons. Tip-up backrest provides ease in handling. Carries usual one year guarantee. Weight 3½ pounds. 550 watts for 115 volts A.C. or D.C.

Furnished less cord. Any standard cord set will fit.

# STREAMLINED ELECTRIC IRON Handyhot



A good value in streamlined irons. Full household size. Polished nickel finish. Balanced for easy ironing. Large comfortable handle. Tip-up back rest saves lifting and has no projections to catch on garments. Finest heating element assures long life and provides quick even heat. Carries usual one year guarantee.

Furnished less cord. Any standard cord set will fit.

#### SAD IRONS



Fully automatic combination electric steam iron. Equipped with fabric marked ironing dial. Can be used as steam or dry iron with same automatic controls.

Eliminates Sprinkling—Cuts ironing time in half. Will not burn or scorch rayon, celanese, silks. Fabrics will never stick or burn. Renews pile fabrics and felt hats like magic. Presses woolens on right side without press cloth.

#### AUTOMATIC STEAM IRON Silex



An all purpose iron for either wet or dry ironing by simply turning on or off the steam at will. Steam irons with controlled heat are particularly adapted for use with rayon, celanese and other synthetic materials and eliminate the danger of scorching or even melting these materials. Equipped with built-in safety valve and On or Off current switch—extra heavy 10,000 cycle cord. Thermostatic control indicates different types of fabric markings. Polished aluminum finish with Moldex handle—wrinkle proof heel and bevel-edge sole plate.

No. SSA—Silex Steam Iron. 1000 watt for 115-volt alternating current only. Weight 3¾ lbs., packed one to a carton. Complete with no-lift roller bearing iron stand and Moldex funnel. Each ..........\$14.95

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#### ELECTRICAL GOODS

# WAFFLE IRONS

Handyhot

#### TWIN WAFFLE IRON Handyhot



Makes two full size waffles at one time on six inch greaseless cast pure aluminum grids. Waffles are baked twice as fast. Modern matched design with beautiful all chrome finish. Genuine solid natural walnut side rail and front lift handles. Baking indicator in top of each unit. High quality heating elements assure constant service and evenly baked waffles. Approved cord set. Underwriters approved.

#### WAFFLE IRON Sterling



High quality construction assures quick, even baking and crispy, perfect waffles.

The brilliant chromium finish on all metal parts needs only be wiped occasionally to be restored to its original lustre. Ebonized wood front lift handle and side rails complete the harmonious matched design.

Baking Indicator in top.

Expansion hinge provides for waffles of even thickness. Large size 7¼ inch cast fine aluminum greaseless grids have excess batter rings. High quality heating elements. Underwriters approved.

Supplied less cord set, but has standard pin contacts to fit all regular cord sets.



Brilliantly finished in permanent chromium. Genuine solid natural walnut side rail and front lift handles. Baking indicator in top. Large size 7½-inch cast pure aluminum greaseless grids with excess batter rings. High quality heating elements. Approved cord set. Underwriters approved.

No. 4602H—600 watts. For 115 volts AC or D.C. One to a carton. Weight, 5½ pounds. Each .............\$4.75

#### WHITE CROSS WAFFLE IRON



Full chromium plated — Modernistic bakelite handles—Full size 7 inch stick-proof-greaseless special processed alloy steel grids.

# WAFFLE IRON Dominion



Modern design. Walnut handles. Chromium plated. Silver finish 7½-inch size cast aluminum grids allow waffles to be removed without sticking. Equipped with heat indicator. Complete with cord.

No. 374—Rated 660 watts for 115 volts A.C. or D.C. One to carton. Weight 6 lbs. Each, list...........\$3.95

#### WAFFLE MAKER

32. Volt



Has heat indicator to show when grids are at the correct baking temperature.

Bakelite handles and feet.

No. 8504-32—Chromium with heat indicator. Height overall, 4¼ inches; Diameter of Grids 7½ inches; Diameter of Tray 10¾ inches. Weight packed, 6½ pounds. Each ....\$7.75
F. S. A78

Packed one in a carton.

# ELECTRICAL GOODS Togstmaster Products

#### DELUXE HOSPITALITY TRAY SET



Restyled from top to toe to make it even more smart and practical, it has more real sales appeal than ever before.

Perfect for informal entertaining, it enables the happy hostess to enjoy the luxury of being a carefree guest at her own parties. There's the spacious walnut serving tray—the four "personal" lap trays of matching design and finish—the appetizer dishes in the new and ultra smart heavy Imperial Crystal—the clever toast trimmer—and the world's finest of automatic toasters — actually five gifts in one.

Specifications—Overall dimensions Width 1534 inches, length 2614 inches, height 7½ inches.

No. 6B8—Walnut finish. Packed complete in shipping carton. Weight each 16½ lbs. Each ..........\$23.95

#### STANDARD HOSPITALITY TRAY



Similar to the Deluxe Set excepting does not include lap trays and instead of crystal glass dishes, this set furnished with four gaily colored Franciscan ware relish dishes. Has the same extra large DeLuxe Tray with cutting board to match; and the famous 2-slice Toastmaster Automatic Pop-Up Type Toaster.

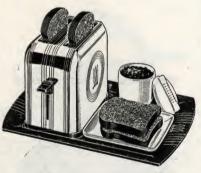
#### DELUXE TOAST AND JAM SET



Has proved ideal to step up sales. Selling for only \$1.95 more than the 2-slice automatic Toaster alone, it is a tremendously popular item to feature. It is just the thing for light breakfasts, children's lunches, afterschool pantry raids, and midnight snacks. Walnut tray, brilliant yellow Franciscan ware marmalade jars, and toast plate have many separate uses.

No. 6D3—Deluxe Toast and Jam Set. Overall size 15¼ inches long, 11¼ inches wide, 7½ inches high. Packed one complete set to a carton. Weight each, 8¾ pounds. Each .....\$17.95

#### JUNIOR TOAST 'N JAM SET



A delightful new Junior Toast'n Jam Set at an unbelievably low price. Ideal for breakfast, lunch, and when hungry youngsters swarm home from school.

Comes complete with Toastmaster Junior Non-automatic toaster, a genuine walnut serving tray, and a covered marmalade jar and toast plate of turquoise blue Franciscan Ware.

#### TOASTMASTER WAFFLE SERVICE



For the first time, a Waffle Service by Toastmaster. It's a set that thousands of Toastmaster users have been waiting for, and it's certain to find immediate public favor.

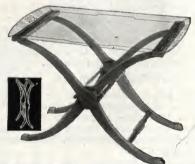
A stunning combination, as practical as it is beautiful. Includes a spacious walnut serving tray, a syrup pitcher of turquoise blue Franciscan pottery with a large matching batter bowl that every housewife will find thousands of uses for, a graceful measuring ladle of lifetime chromium and the new Toastmaster automatic Waffle baker.

#### LAP TRAYS



#No. LT5-W—Extra Walnut lap Trays for 1939-40 DeLuxe or Standard Trays. Per set of 4......\$3.50 Weight above; 13/4 pounds.

#### TRAY SET STANDS



No. FS5—Walnut Folding Stand only. Height 17½ inches. For 1939-40 models, deluxe or standard trays. Each (less tray shown on cut) ...\$5.95

, and are in terms in Items market thus # not carried in stock but shipped direct from factory.

#### **ELECTRICAL GOODS**

#### **Toastmaster Products**

#### TOASTMASTER 2-SLICE AUTO-MATIC TOASTER



The newest Toastmaster Toasters are finer than ever. Truly the aristocrat of all toasters.

Completely automatic: Just drop in two slices of bread, push down the lever, and forget it. Just when the toast is browned to perfection—pop—it's up ready to serve, and current's off—automatically.

Beautifully finished in lustrous chromium. Base, handles, and other moulded parts are brown bakelite, with permanently attached cord and unbreakable rubber plug to match. Easy to clean, removable crumb tray. Elements of nickel chrome flat ribbon wire and pure mica plate.

wire and pure mica plate.

No. 1B9—1100 watts. Width 6 inches.
Length 11¼ inches. Height 7¼ inches.
Shipping weight (single carton) 6½
pounds. Each ...........\$16.00

#### TOASTMASTER 1-SLICE AUTO-MATIC TOASTER



1-slice, automatic pop-up type Toastmaster Toaster, ideal for the smaller family. Operation and results same as the 2-slice excepting size carries same specifications as 2-slice. No. 1A5—650 watts. Size 10½ inches long, 4¾ inches wide by 7¼ inches high. Wt., 4¾ lbs. Each....\$9.95

#### TOASTMASTER JUNIOR NON-AUTOMATIC TOASTER



Three reasons why this is the finest non-automatic toaster on the market. (1) Toastmaster quality throughout. (2) Fast and simple in operation. (3) Economical—current is on only when toasting. Beautifully finished—has same lustrous chromium finish as all Toastmaster Products—with black bakelite feet and handles. Permanently attached black cord and unbreakable rubber plug. Same elements as in our automatic Toasters.

No. 1B10—900 watts. Size 834 inches long, 4½ inches wide by 4½ inches high. Wt. each, 334 lbs. Each...\$7.50

#### TOASTMASTER WAFFLE BAKER



Toastmaster Waffle Baker is beautifully finished in lifetime chromium with brown bakelite feet and handles.

Completely automatic. A red light glows until the waffle is browned to perfection, then automatically goes out, notifying the operator that the waffle is done. Proper baking temperature is maintained constantly and accurately by Toastmaster's instant acting heat control. This guards against overheating and oil evaporation, and reduces sticking. Heavy interlocking non-overflow type grids bake better waffles and prevent batter from running over.

No. 2D2—650 watts. Size 10½ inches long, 11 inches wide by 4 inches high. Weight each, 6¾ lbs. Each...\$12.95



#### SUNBEAM AUTOMATIC TOASTER



New Sunbeam Automatic Toaster with striking oval design, the last word in modern styling. Rich Chromium finish with black bakelite base and handles. Selector button permits toast to pop-up or keep warm in toaster well until wanted. Makes any shade of toast wanted. Hinged crumb tray on bottom for ease in cleaning.

#### SUNBEAM BUFFET SET



Sunbeam Buffet Set with Four intaglio Lap Trays, designed exclusively for Sunbeam. Each tray has a soft, white, etched center design that gives it individual distinction.

Three - Compartment Appetizer Dish, for preserves, spreads, relishes, etc. Smartly designed in lovely Intaglio Crystal.

Distinctive Walnut Tray, large, roomy, 15½x26½ inches. Light, strong, impervious to acids, water, etc.

No. T10—Buffet Set. Weight complete set, including Sunbeam Automatic

Toaster, 20 pounds. Each......\$23.00

#### **ELECTRICAL GOODS**

#### SUNBEAM TOASTER-TRAY SET



New as tomorrow. Has the strikingly beautiful chrome-plated circular tray with satin-finish center and rich, bakelite handles, matched to the toaster design. Has exquisitely molded crystal appetizer dish with three compartments to complete this outstanding, practical ensemble.

No. T14—Toaster-Tray Set. Consists of T9 Toaster and T15 Tray set. Wt. complete, 16 lbs. Each .....\$18.75

No. T15—Tray Set only. Each ....\$2.75

SUNBEAM WAFFLE-MAKER



The Sunbeam is fully automatic. It has an Automatic Indicator light that tells when the current is on—when the grids are at the correct non-stick heat to put in the batter—and when the waffle is perfectly baked. Makes light, medium or dark waffles.

light, medium or dark waffles.
Grid turns out 4 delicious waffles at once—the only waffle iron with an 80-inch overall baking area. Also has a new-type over-flow shield built right into the lower grid that prevents batter from running over the sides. Chrome plate finish with black handles, control knob and feet.

No. W1 — Sunbeam Waffle Maker. Rated 1200 watts for 115 volts A. C. only. Wt. each, 1134 lbs. Each. \$16.00



All items marked thus # not carried in stock, but shipped direct from factory.

#### AUTOMATIC POP-UP TWO-SLICE TOASTER Handyhot



Full automatic toaster in a modern design that is tastefully simple and rich. Finished, lustrous chromium plate. Natural solid walnut handles and base.

#### K-M Tel-A-Matic Toaster



Entirely automatic. One setting of indicator for desired heat—dark or light—is all that is necessary. No preheating. When toast is finished, switch automatically snaps off. Lowering doors reverses toast. Mica element wound with genuine Nichrome wire. Highly polished chrome finish with genuine walnut handles. Underwriters' approved.

No. 518-0—400 W., 115 V.; A.C. only. Individually packed. Approximate shipping weight, 3½ lbs. Each..\$4.95

#### **ELECTRICAL GOODS**

ELECTRIC TOASTER

K-M



Rich chromium finished non-automatic toaster. Cool plastic handle control opens either door. Lowering doors turns toast. Mica element. High grade cord set. Underwriters approved.

No. 517-O—Toaster. 400 watts, 115 volts A. C. or D. C. One to a carton. Weight each, 3 lbs. Each.....\$4.95

# SIGNAL BELL TOASTER Proctor



This single all chromium toaster toasts two slices, one side at a time. No need to watch—no chance of burned toast—signal bell chimes when toast is done. There's a convenient off switch on the dial so that current can be switched off without disconnecting the toaster.



A popular non-automatic toaster of high efficiency and modern design. The mica element assures quick heating and even toasting of two slices of bread at one time. Lowering the doors automatically turns the toast. Brightly polished chrome plated finish with cool genuine walnut handles. Cord is attached.

# TURN-OVER TOASTER Sterling Brand



Rich design finished in lustrous chromium plate. Toasts large slices of bread quickly and evenly to a golden brown with finest elements of nichrome on genuine mica. Doors are removable for easy cleaning. Rich ebony finished wood handles. Side rails serve as lift handles. Furnished with cord set.

No. 5707—300 watt 115 volts A. C. or D.C. Weight each, 4 lbs. Each. .\$2.50

One to a carton.

#### KWICKWAY



By lowering the doors the bread is turned. The strip mica element is wound with genuine NICHROME resistance wire and is specially designed for even toasting. Has four decorative, insulated handles that always remain cool. Black Bakelite finish on base and frame. CHROMIUM plated doors. The smooth rests on the bottom will not scratch furniture. Complete with long life, flexible Underwriters' Approved cord and grip-pull plug. 500 watts. 115 volts, AC or DC only.

#### TURN OVER TOASTER

Bersted



New victorian model toaster. Finished with chromium plated door, black base and sides. Modernistically designed with cool black enameled wood handles.

The generous-sized nichrome ribbon element, wound on genuine India mica, insures evenly toasted slices. And, there's no need for handling toasting bread—open the doors and the slices turn automatically. Rated 400 watts for 115 volts A.C. or D.C.

Note: Furnished less cord. Any standard cord set will fit.

No. 66N—Nested 6 to a carton. Wt. each, 21/4 lbs. Each ...........\$1.49

Note: Furnished less cord. Any standard cost set will fit.

#### ELECTRIC TOASTERS



Highly polished nickeled doors. Glossy black enameled sides and base. Attached cord. Mica element. 450 watt for 115 volts A. C. or D. C.

Packed one to a carton—12 to a standard package.

#### ELECTRIC SERVETTE Handy Hot



Detachable electric stove can be used as a separate unit for warming purposes.

For-Reheating fresh breads, muffins, buns, etc.; Crisping crackers, and breakfast cereals; Freshening baked goods: Keeping freshly baked foods hot for serving; Keeping toast warm; Keeping meals warm. Stove can be used for keeping coffee warm and a great many other uses, and is detached by removing wing nut on bottom. Keeps Hot-Griddle cakes, french fries, toasted sandwiches, etc. Polished aluminum with genuine Thermoplax handles and cover knob. Has close fitting wire basket. Air vents in cover are opened or closed by turning cover knob. With vents closed, foods remain soft and tender. Leave open for crisping.

 IT IS ECONOMY

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TO BUY IN UNIT

OR ORIGINAL

PACKAGES

It Saves Handling And

Breakage, and you

Receive Fresh and

Clean Goods

3.....

#### COMBINATION SANDWICH GRILL AND WAFFLE BAKER

Handyhot



Provides double the utility for only the price of one appliance. Smooth flat grill plates are provided to toast two full size tasty sandwiches. Also ideal for light frying, grilling, and making pancakes, etc. Lever concealed behind front lift handle acts as supporting leg when top lid is laid back to provide double area for grilling or frying. Drip cup supplied to catch excess grease.

To make waffles, cast pure aluminum waffle grids are provided which are easily removed or installed by moving a lever.

This appliance charmingly enhanced by its lustrous chromium finish. Heat indicator in top lid tells when ready for baking or grilling. Expandable hinge provides for thick or thin sandwiches and raising of waffles. Natural genuine solid walnut side rails are also used as cool lift handles. Front handle to match. High quality heating elements. Approved cord set supplied. Underwriters approved.

1 to a carton, complete with sandwich and waffle grids.

#### **ELECTRICAL GOODS**

SANDWICH TOASTER
Handwhot



Its smart, charming style is finished in gleaming chromium. Makes two full size perfectly toasted sandwiches, also fries, grills, etc. Natural solid wahnut side rails are used as lift handles. Front handle is also natural walnut and has lever concealed within it which acts as supporting leg for top. Has heat indicator and expandable hinge for thick or thin sandwiches. Drip cup supplied. High quality heating elements in both top and bottom sections. Approved cord set. Underwriters approved.

#### KWIKWAY SANDWICH TOASTER



Here's two in one Sandwich Toaster and Double Grill. The element is wound with genuine NICHROME resistance wire for uniform heating. Modernistic design on Chrome Plated finish. When entirely opened, convenient double grill is formed. Cool, black handles and black, satin-finish tray that makes carrying easy and prevents burned fingers.

Note—Above furnished without cord.

Any standard cord will fit.

# SANDWICH TOASTER Sterling



A most beautiful Sandwich Toaster. The flowing streamlined design is enhanced by its lustrous, chrome finish. The rich, ebonized wood front lift handle and side rails provides pleasing contrast.

Two large sandwiches—thick or thin—can be toasted at one time. Expansion hinge provides for variation in thickness of sandwiches. Front handle has lever concealed within it which acts as supporting leg for top section when used as a grill. As such, it is ideal for frying, making pancakes, etc. Underwriters approved.

Supplied less cord set, but has standard pin contacts to fit all regular cord sets.

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#### GLASS COFFEE MAKERS

Genuine Silex

Silex has conceived and developed every worth-while feature found in vacuum type glass coffee makers. Through aggressive merchandising policies Silex must claim credit for creating the glass coffee maker industry. The present prestige of the Silex Company and its product is solidly founded on a policy of high-grade merchandise, fair prices, honest dealings, and a financial structure which insures continued service to Silex Users.

Manufacturers of Silex Glass Coffee makers use only Pyrex Glass guaranteed against heat breakage.

#### DELRAY PLAIN MODEL



The plain model can be used over any open flame. Supplied with Moldex cover, handle, neck collar and table mat.

No. G8B-Black finish. 8 cup size. Weight per standard package 17 lbs. Each Dep't-2

No. G10B-Black finish. 10 cup size. Weight per standard package, 18 lbs. .....\$3.95 Each Dep't-2

1 in a carton. 6 to a standard pkg.

#### DELRAY ELECTRIC MODEL Narrow Neck



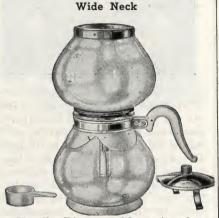
The electric model equipped with No. SJ8B Chrome Plated 550 Watt 115 Volt A. C. or D. C. stove complete with cord. Supplied with moldex cover, handle, neck collar and table mat.

No. RA8B-Black finish. 8 cup size. Weight per standard package, 26 lbs. Each Dep't-2

No. RA10B-Black finish. 10 cup size. Weight per standard package, 27 lbs. Each ..... . . \$5.95 Dep't-2

1 in a cart.; 6 to std. pkg.

#### BRETTON PLAIN MODEL



Handle, Dippex, table mat and removable lower bowl decoration in black or ivory Moldex. Chrome upper and lower bowl covers on ivory models. Black Moldex covers on black models.

No. BWK4B—4-6 cup size. Black fittings. Wt. each, 23/4 lbs. Each \$2.95 Dep't-2

No. BWK8B-8 cup size. Black fittings. Wt. each, 3 lbs. Each ..\$3.45 Dep't-2

No. BWK8I—8 cup size. lvory and chrome fittings. Wt. each, 3 lbs. Each .....\$3.95 Dep't-2

No. BWK12B-12 cup size. Black fittings. Wt. each, 334 lbs. Each.\$4.45 Dep't-2

1 in a cart.; 6 to std. pkg.



BRETTON ELECTRIC MODEL



Same as Plain Model excepting equipped with 550 Watt, 115 Volt A.C. or D.C. Stove and cord.

No. BWE4B—4-6 cup size. Black

fittings. Wt. ea. 41/4 lbs. Each. .\$4.95 VSZ Dep't-2

No. BWE8B-8 Cup Size. Black fittings. Wt. each, 5 lbs. Each .. \$5.45 Dep't-2 VOA

No. BWE8I-8 cup size. Ivory and chrome fittings. Wt. ea. 5 lbs. Ea.\$5.95 TEV Dep't-2

No. BWE12B-12 cup size. Black fittings. Wt. ea. 51/2 lbs. Each. \$6.45 Dep't-2

1 in a cart.; 6 to std. pkg. SARATOGA ELECTRIC MODEL

Wide Neck



Chrome removable lower bowl decoration. Handle, Dippex, in black or ivory Moldex. Chrome covers for

upper and lower bowls.
Equipped with 550 watt, 115 volt
A. C. or D. C. stove with anyheat
cord set. Wt. per standard package,

15 lbs. No. SAE8B-8 cup size. Black fittings. Each ......\$6.45 Dep't-2

No. SAE8I-8 Cup Size. Ivory and chrome fittings. Each ......\$6.95 AOV Dep't-2

1 in a cart.; 3 to std. pkg.

#### SILEX COFFEE MAKER PARTS



uw No. LK8—8 cup size lower bowl for Delray model. Each .......\$1.40
No. UK8—8 cup size Upper bowl. Fits same models as above. Each ...\$1.65 No. LK10-10 cup size lower bowl otherwise same as above. Each. .\$1.50 No. UK10—10 cup size Upper bowl otherwise same as above. Each. . \$1.75 No. LW4-4 cup lower bowl for Bretton model. Each .....\$1.10 No. UW4-4 cup upper bowl otherwise same as above. Each .....\$1.35 No. LW8—8 cup lower bowl for Bretton & Saratoga models. Ea.\$1.10 No. UW8—8 cup upper otherwise same as above. Each ......\$1.35 No. LW12—12 cup lower bowl for Bretton model. Each ......\$1.45 No. UW12-12 cup upper bowl otherwise same as above. Each .....\$1.95 No. RUP—Rubber plug. Fit all narrow neck models. Each ......\$0.20 No. WPR-Rubber plug for all wide neck models. Each ......\$0.20
No. RRW—Rubber ring for handle. Fits all wide neck models. Each. \$0.05 No. BCB—Black Moldex collars. Fit narrow neck all models. Each.. \$2.20
No. HJB—Black Moldex Handle with Metal ring. Fits all narrow neck models. Each ......\$0.85 No. HJWB-Black Handle for wide neck models. Each .....\$0.85 No .HJW1-Ivory Handle for Wide Neck Models. Each ......\$1.25 No. UBHM-B-Upper Bowl Handle for Delray model. Each.....\$0.50 No. DCP-Drainer for narrow neck models K8, K6, UW12 and P8 bowls. Each .....\$0.40 No. DCP-D-Drainer for wide neck model UW4 and UW8 bowls. Ea. \$0.40 No. PT-Porcelain Top. Fit all models. .....\$0.20 No. DS8B-Black finish and chrome plated stove. 550 watts, 115 volts A.C. or D.C. Fits Delray and Bretton

Model 8 or 10 cup size. Each \$2.45

#### ELECTRICAL GOODS

No. DS8I-Ivory otherwise same as el Silex stoves. Each ......\$0.95

#### SILEX ANYHEAT CONTROL



The Anyheet Control automatically con-

trols coffee temperature after brewing.

When brewing you turn to the "high" position. When coffee rises to the upper bowl you turn it to the "off" position. So far it acts as a switch. But after brewing you turn to any position desired inside the "low heat range."

Coffee may be poured for one member of a family during the meal, and for another after dessert forty minutes later . . . yet there is no change in temperature. Moreover, maintainnig temperature con-stantly preserves coffee flavor unchanged. 

#### SILEX CLOTH STRAINERS



Genuine Silex stringles cloth strainers. Simply snap around filter. No strings to tie.

Strainers displayed in attractive counter dispenser cartons will secure many extra sales considering the thousands of glass coffee makers on the market today.

No. S.R.D.—Display carton. Contains 12 packets of 4 each strainers. Each packet to retail at 10c each. Per display carton ......\$1.20

No. SR4—Package containing 4 strainers. Per package .....\$0.10

No. S.F.D.—Display carton. Contains 12 packets of 12 each strainers. Each packet to retail at 25c each. Per display carton ......\$3.00

No. SR12—Package containing 12 Strainers. Per package ......\$0.25

#### VACULATOR AND KITCHEN QUEEN REPLACEMENT PARTS



No. PCL—Filter cloths. (6 Filter cloths to packet). Per packet\$0.25
‡No. FH-Filter Holder. Each60
‡No. XFH-Filter Holder. Each10
#No. RB—Rubber Bushings (for upper glass). Each
‡No. XRN—Rubber neckbands (for lower glass, Century Models). Each\$0.05
‡No. XH—Handle for Century Model Coffee Maker. Each\$0.50
<b>‡No. Q8L</b> —Kitchen Queen, 8 cup lower bowl. Each <b>\$0.90</b>
<b>‡No. Q8U</b> —Kitchen Queen, 8 cup upper bowl. Each
‡No. X7L—Century 7-cup Lower Glass. Each
#No. X7U—Century 7-cup Upper Glass. Each
#No. X9L—Century 9-cup Lower Glass. Each
#—No. X9U—Century 9-cup Upper Glass. Each 1.65

Note-Each piece of glassware is packed in individual container; each upper glass is fitted with rubber bushing and each lower glass with rubber neckband.

#### GLASS FILTER ROD



More filtering surface—less direct angle of filtering-and added weight -plus other structural refinements gives speedy and efficient filtering.

Will fit practically any make of Glass Coffee maker. Simple to use. Easy to clean.

No. D.C.R.-Filter Rod. Weight per dozen, 21/2 pounds. Per dozen ...\$6.00

Packed 12 to a standard package including attractive counter display

All items marked thus # not carried in stock, but shipped direct from factors.

#### **ELECTRICAL GOODS**

#### GLASS COFFEE MAKER Cafex With Wide Mouth



Graceful new balanced design. Pyrex brand glass guaranteed against heat breakage. Wide mouth lower bowl. Patented filtering assembly.

No. WPG-8-8 cup Gas model Cafex Glass Coffee Maker. Each ......\$1.95 No. WPE8-8 Cup Electric Cafex Coffee Maker. Made up with WPG8 Gas Model Coffee Maker and 1440C Electric Stove. Each ......\$3.45 No. UW-8-8-cup upper bowl (without rubber plug) Each ..... .95 No. LW-8-ecup lower bowl (without rubber ring). Each ..... No. WPR-Rubber plug for wide mouth glass upper bowl. Each ..... .20 No. RRW—Rubber ring for wide mouth lower bowl. Each ..... No. HCW-Molded brown handle for lower bowl. Note: Regular Silex Filter Cloths will fit Cafex Coffee Maker.

#### COFFEE MAKER STOVE



#### VIKO, EMERSION TYPE



Element guaranteed for one year—Double wall insulated pump for instant percolation starting with cold water—Percolates at just below boiling point—The correst way to make coffee with perfect flavor—New locking device on glass top—Listed by Underwriters Laboratory, Inc.—Patented.

Polished Welded spout .Water distributor plate. Black cotton cord with white tracer. Fibre feet. For 105 to 120 volts. Directions enclosed. Trade-marked VIKO.

No. 9122—B. & S. Gauge 22. Capacity 9 cups. 110 volts 425 watts. Shipping weight per dozen, 37 lbs. Each. \$3.90 One in corrugated carton.



Upper surface of element convexed for greater efficiency and longer life. Guaranteed for one year. Element terminal pins and guard in one unit for easy replacement. Flat type element. Listed by underwriters' laboratories. Polished, water distributor plate; fibre feet. Cord set not furnished.

No. 9352L—B. & S. Gauge 25; 9 cup capacity; 450 watts; 105 to 120 volts; weight per dozen, 36 lbs. Each....\$.240

One in folding carton. 1/2 dozen in a case.

#### **CORY COFFEE BREWERS**

#### MODEL QMB FAST-SELLING 6 BREWER ASSORTMENT



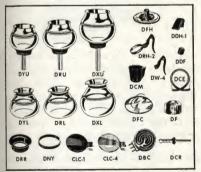
All wide neck models. Ivory-tone trim. Black trim. Both electric and range models. Three popular sizes. Representative stock for any dealer. Each model individually packed for shipment in common carrier. FREE goods and FREE advertising.

#### Model QMB Includes:

Colorful window display, 100 attractive envelope stuffers, 2 newspaper ad mats, reprint of national advertising. CORY catalog, 2 window streamers and 2 pieces of spare glass FREE.

CID WILL - Province - Province - C	
1 Cadette Range Model (DJG) 4 cup\$2.95	
1 Regent Range Model (DKG) 7-8 Cup 3.95	
1 Regent Electric Model (DKE) 7-8 Cup 6.45	
1 Royal Range Model (DRG) 7-8 Cup 4.25	
1 Royal Electric Model (DRE) 7-8 Cup 6.75	
1 Family Circle Range Model (DVG) 10-12 Cup 4.95	
1 Upper (DRU) and 1 Lower (DRL) retail value \$3.30FREE	
Model QMB—Shipping weight, 31 pounds. Per assortment\$29.	.30

# REPLACEMENT GLASS FOR WIDE NECK MODELS



DYU—Cadette or Cupid Upper (12 in carton) Each\$1.45
DYL—Cadette or Cupid Lower (12 in carton). Each\$1.40
DRU—Regent or Royal Upper (12 in in carton). Each\$1.90
DRL—Regent or Royal Lower (12 in carton)\$1.70
DXU—Family Circle or Banquet Upper (6 in carton)\$2.25
DXL—Family Circle or Banquet Lower (12 in carton) \$1.85

DRH-2-Black Handle Complete.	
Each\$0.	
DW4-Black Handle Part Only.	
Each\$0.	
DIH-2—Ivory-tone Handle Con	m-
plete. Each\$1.	
DWI-4—Ivory-tone Handle Pa	art 50
Only. Each	
DRH-2. Each <b>\$0</b> <b>‡CLC-2</b> —Chrome Decanter Cover	
replace Ivory-tone). Each\$0	
<b>*CLC-4</b> —Chrome Decanter Cover:	
DIH-2. Each\$0	
DRR-Rubber Bushing for Up	oer
(large neck). Each\$0	.25
<b>‡DRN</b> —Rubber Neckband (old sty	
(circle). Each\$0	
<b>‡DNY</b> —Rubber Neckband (new sty	
(strip). Each <b>\$0</b>	
DF—CORY Porcelain "Fast-F	lo"
Filter and 2 filter cloths. Each\$0	
DFC-5—Five Filter Cloths (sold or	nly
in packages of 5). Each\$0	.25
DFH-B—Funnel Holder (black)	
Each\$0	
DFH-1—Funnel Holder (ivory-to	
Each\$0	,.50

#### RESTAURANT MODELS



#### 3 Burner Electric-120 cups per hour

Polished chrome finish. Each burner Hi-Low (660-80 watts). Includes C23E range, 2 complete CORY Majestic Brewers, serving decanter and accessories.

#Model 343—Weight 24½ pounds. Each ......\$37.45

#### 2 Burner Electric-80 cups per hour

Trouble-free two story construction, chrome-finished range. Each unit both high and low heat. Includes C22E range, complete CORY Majestic Brewer, serving decanter and accessories.

**‡Model 243**—Weight 16½ pounds. Each ......**\$25.45** 



#### 2-Burner Gas-100 cups per hour

Polished chrome finish. Each burner high and low heat. Open aluminum grate. C52G range, complete CORY Majestic Brewer, serving decanter and accessories.

#### 3-Burner Gas-140 cups per hour

Trim, polished chrome finished range. Each burner high and low heat. Includes C53G range, two complete CORY Majestic Brewers, serving decanter and accessories.

#### **CORY COFFEE BREWERS**

Beautiful streamline design, genuine CORNING heat-resisting glass, hand-decorated with platinum stripes . . . wide neck, easy to clean . . . beautiful matched accessories included—hinged decanter cover, funnel holder and coffee measure . . . famous "Fast-Flo" Filter (with most models) . . . popular CORY Glass Filter Rod (with all models) . . . 2-heat Electric Stove . . . Choice of ivory-tone or black trim.



#### 4-6 CUP RANGE



No. DJG—Cadette. Each Dep't-2		
No. DYG—Cupid. Ivo Each Dep't-2		
No. DYGW—Cupid. Each		
7 0 CIID DA	NCE	

#### -8 CUP RANGE



No. DKG-Regent. Black Trim.
Each\$3.95
Dep't-2 XeV
No. DRG-Royal, Ivory-tone Trim.
Each\$4.25
Dep't-2 X7A
No. DRGW-Royal. Walnut Trim.
Each\$4.25
Dep't-2 X7A

#### 10-12 CUP RANGE



No. DVG—Family Circle Each Dep't-2	
No. DXG—Banquet. Ivo Each Dep't-2	
No. DXGW—Banquet. Each Dep't-2	Walnut trim.

#### 4-6 CUP ELECTRIC



Dep't-2		VOV
No. DYE—Cupid.	-	
Dep't-2	•	V 7 V
No. DYEW—Cupi Each Dep't-2		

Each .....\$5.45

#### 7-8 CUP ELECTRIC



No. DKE-Regent. I	Black Trim.
Each	\$6.45
Dep't-2	ΛVZ
No. DRE-Royal. Iv	ory-tone Trim.
Each	\$6.75
Dep't-2	ΛΔZ
No. DREW-Royal.	Walnut Trim.
Each	\$6.75
Dep't-2	ΛΔZ

# Superb coffee and tea untouched by metal, with "Fast-Flo" or CORY ROD.

Every CORY Model sold complete with accessories needed for entire satisfaction.

#### 10-12 CUP ELECTRIC



Dep't-2	.\$7.45 A J T
No. DXE—Banquet. Ivory-tone Each Dep't-2	Trim \$7.75
No. DXEW—Banquet. Walnut Each	trim. .\$7.75 ΔΟΤ

#### DEO ELECTRIC STOVE



Handsome chromium finished electric table stove. Approved by Underwriters' Laboratories. Two heats (Hi-Low) for fast brewing and keeping coffee hot. (660-80 watts). Fits all CORY Coffee Brewers. Ivory-tone or black handle and cord.

No. DEO-B—Two electric unit. Wt. Each	each,	2 pc	ounds.
No. DEO-I—Two electric unit. Wt. 2			

ı	Dep 1-2	001
	No. DEO-W—Two Hear	t Walnut Trim
ı	Electric unit. Weight Each	, each 2 lbs
l	Each	\$2.65
١	Den't-2	001

#### AUTOMATIC COFFEEMASTER Sunbeam



All lustrous chrome plated—Unbreakable.

Now—a vacuum coffee maker that makes the same delicious coffee every time—because it's 100% automatic.

Women simply put water in the lower vessel and coffee in the upper vessel—and forget it. They can go on about their business—come back at any time, even hours later—delicious, clear, full-bodied coffee will be waiting in the lower vessel—all perfectly brewed and kept piping hot,

ready to pour.

A new invention called Sunbeam patented Thermo-timing makes possible Coffeemaster's marvelous fully automatic performance. This patented thermostatic control automatically governs the rise of the water to the brew-top at the correct fixed temperature—agitates the coffee for the correct brewing period—automatically times the return of the coffee to the server below—even changes the heat to keep the coffee hot after it's made—all with unerring accuracy—all Automatically.

tomatically.

No. C20—Coffeemaster. Rated 1000 watts for 110-120 volt A. C. operation only. Individually packed. Weight each, 4½ lbs. Each ...........\$17.50

each, 4½ lbs. Each ......\$17.
COFFEEMASTER SERVICE
SET



The rich Coffee master service set is ideal for every coffee making and serving occasion. Each unit has a matched design, finished in lustrous chrome-plate with jet black handles. The tray has a satin finish center that will not scratch or mar.

No. C21—Coffeemaster Service Set, includes Coffeemaster and tray, with matched sugar and creamer set. Wt. complete set, 6 lbs. Per set ...\$26.00

# ELECTRICAL GOODS RED RAY LAMP



A highly efficient Infra Red Health Lamp priced to appeal to every home and designed to fulfill the most exacting requirements of technicians, hospitals, physicians and clinics. Finished in Brown Frosted enamel with heavy cast base, adjustable gooseneck arm and polished aluminum bowl, fitted with heavy wire safety guard. Equipped with switch in base. Patented spool-type element of genuine Tophet resistance wire operates at 300 watts on 115 volts. Built to conform to Underwriters' specifications.

No. 630-O—Red Ray Lamp. Weight each, 5½ lbs. Each . . . . . \$3.95

Packed in individual cartons.

#### ELECTRIC VAPORIZERS



Compact, convenient, easy to use vaporizer for the highly recommended medicated vapor treatment of colds, asthma, croup, hay fever and many other cases. Non-rusting aluminum. No flame. Easily cleaned. Cool wooden handle. Adjustable directional spout. Quick instant heating element of finest quality. Vapor passes through the patented container for saturated cotton, at top of vaporizer. Clean, sanitary, improved method. Listed as standard by Underwriters' Laboratories. No. K120—300 watts; 115 volts; A. C. or D. C. Individually packed. Weight each

1 pound. Each ......\$2.00 Above packed less cord. Any standard cord will fit. VAPORIZER
K-M
With Automatic Thermostat



Since medicated vapor treatments have been so highly recommended, a vaporizer with large capacity and a safety thermostat feature has been in constant demand. If this vaporizer boils dry, the temperature-limiting thermostat (a safety feature needed in any dry element electric vaporizer) prevents overheating. The large capacity accommodates three pints of water and will give over three hours of vaporizing action. The exclusive feature of a separate cup for the medication adds to cleanliness and effectivness. Adjustable directional spout. Non-rusting polished aluminum throughout with cool plastic handles for easy lifting and handling. Underwriters' approved.

HUMIDIFIERS Gilbert



# K-M

A modern reflector type heater scientifically designed for maximum heat radiation. 11-inch highly polished chrome bowl with patented reflex element giving maximum efficiency for minimum current. Heavy chrome wire guard. Modernistic chrome plated tubular base with simple screw adjustment for tilting to any angle. Handle at back of heater for easy carrying. Underwriters' approved.

No. 305-9—Size 11 inch bowl, 660 watts, 115 volts A. C. or D.C. One to a carton. Wt. each, 5 lbs. Each. \$3.95

#### ARVIN STANDARD



An efficient, portable circulating heater at moderat cost. Heavy gauge steel construction and beautiful two-tone green enamel finish. Convenient carrying handle and rubber feet. Noiseless motor fan and big heating unit are fully enclosed. It is perfectly safe to use anywhere extra heat is desired.

Cold air is pulled in through louvers in back—heated and forced out into room. Size 934x6 inch base, 10 inches high. Complete with 6 foot cord.

#### **ELECTRIC HEATERS**

#### ARVIN DELUXE



With Toe Control Switch and Indicator Light

Gives Immediate Heat—for bathing shaving and ressing, when furnace fire is low or room is chilly.

Toe switch makes it easy to turn heater on and off. Red indicator light, inside case, gives "fireplace glow" when heater is on—warns against leaving it on when not desired.

Tan and Brown Morocco finish with chrome grill. Size 10%x6% inch base, 11% inches high.

#### HANDYHOT



This is a very efficient electric heater that converts all of the current consumed into heated air by two methods. The chromium plated highly polished reflector supplies a flood of reflected heat over a wide area. It also operates like a furnace by drawing cool air from the floor, heating it, and circulating it through the room without the aid of a fan or motor.

Very attractive in Brown Bronze Wrinkle Finish with polished chrome trim. Heavy chrome wire guard. Convenient carrying handle. Cord and Plug Cap attached. Underwrit-

One to a carton.

#### HANDYHOT



An exceptionally beautiful heater, with panelled reflector bowl. Inside of bowl is highly polished. Outside of bowl and cast streamlined base are finished in metal lustre pearl green finish. High quality heating element. Heavy 15-wire guard is fitted into inside rolled edge of reflector bowl. Underwriters approved.

No. 276H—Size 10 inch chromium bowl. 645 watts for 115 volts A.C. or D. C. Packed 6 nested to carton Weighing 18 pounds. Each.....\$1.35

#### KWIKWAY



Polished chrome plated reflector bowl maintaining high reflection efficiency. Also plated heavy wire safety guard. Finished in the popular frosted green baked enamel. Reflector bowl tilts to desired angle by simple thumb screw adjustment. Finest quality removable screw-in type heating element. Equipped with carrying handle. Underwriters Approved.

No. K26—Size 11 inches. Chromium Bowl. 660 watts for 115 volts A. C. or D.C. Weight each, 5 lbs. Each. \$2.65

One to a carton.

#### U. S. ELECTRIC POPPER



New fused in Bright Aluminum Finish
New large size legs with plenty of
air space to keep them cool. Heating
element made of highest quality nichrome steel wire, mounted on heavy asbestos disc; solid porcelain terminal
insulation; seamless heavy gauge popping pan and side, drawn from one
piece of metal, leak proof, pops at the
outer edge as well as in center; bottom
shell is insulated with one inch of rock
wool which prevents heat from traveling from the element.
Underwriters approved.

No. 1US—Capacity 3 quarts. 475 watts, 115 volts A.C. or D.C. New fused in bright aluminum finish Wt. per dozen, 36 lbs. Per dozen...\$14.40 One to display carton.

#### K-M TEL-A-MATIC CORN POPPER



A corn popper that is new and different, in design, in action, and in results. This popper is automatic in its operation requiring no shaking, stirring, or agitating. The corn, when popped, is deliciously buttered. Made of highly polished heavy aluminum, designed and constructed to pop every kernel to crisp wholesome pop corn. Clear glass top to watch the corn pop. Genuine walnut handles remain cool and comfortable to handle. Measuring cup and one sample can of Mazola comes packed in popper. Special measuring cup for corn and oil provided to assure perfect popping. Heavy chrome plated wire base remains cool and non-scratching. Complete with cord.

Individually packed in display carton; Each carton contains a sample can of Mazola which we recommend to Assure Best Results.

# ELECTRIC HEATERS CORN POPPER

Dominion



Not furnished with cord but so constructed that any standard appliance cord may be used.

#### HANDLE TYPE HAIR DRYER HandyHot



This efficient hair dryer dries hair quickly, and leaves it radiantly soft and fluffy. Useful for drying delicate fabrics, shoes, etc.

Smartly designed with motor and blower enclosed in a single streamlined case, beautifully finished in nile green crackle with black trim. Blows heated air only. Cord and plug cap attached. One speed, less switch. No radio interference. Underwriters approved.

#### STAND TYPE HAIR DRYER



Adjustable Stand type otherwise same as handle type described above. No. ZM04—300 watts for 115 volts AC only. Weight each, 4 lbs. Each. .\$2.73

One to a carton. Hamilton Beach



A Hair Dryer of Hamilton Beach quality, so priced as to place it within reach of those who have always wanted one. Ivory enamel finish. Combines distinctive appearance with long life. Light in weight and perfectly balanced. Handy switch turns on motor and hot or cold air. This model operates on 25-60 cycles, 110-120 volts, AC only. Packed in fitted carrying case. Packed individually in a carton. No. 5HB—Weight, each 5 lbs. Each...\$7.95 DELUXE ELECTRIC HAIR DRYER

K-M

A hair dryer for home use with professional efficiency. Hot or Cold breeze as desired. Motor driven blower is controlled by convenient switch on housing. Handy 3-way switch—Hot for quick drying—Cold for brisk cool breeze—and off. Tilts to desired angle by simple thumb screw adjustment. Lifts from base for use as a portable dryer. Finished in chrome and brown with walnut handle. Equipped with attached cord. Underwriters' aproved.

No. 82-0—Rated 275 watts for 115 volts A. C. only. One to a carton. Weight, 6 lbs. Each ............\$6.95

#### **ELECTRICAL GOODS**

#### K-M WHIPPER



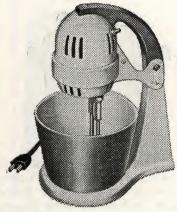
This popular time and labor saver has a high powered, speedy induction type motor. On and Off switch gives convenient control. Can be used as a portable whipper in any pan or bowl. Heavy, durable removable beater. Suitable for whipping cream, eggs, sauces, drinks, etc. Motor encased in white enamel top. Red knobbed handle for easy handling. Fits snugly into white glass graduated bowl.

#### LIQUIDIZER K-M



Makes nourishing drinks from vegetables and fruits without losing any of the valuable vitamins. Chops nuts, crumbs bread and crackers—even "grinds" coffee, and provides finely chopped ice. Great for mixing drinks of all kinds. Extremely simple to operate. High-speed, vibrationless motor built for lasting service. Fine cutting steel blades shaped for rapid action. Hexagon glass top—white enamel metal base. Rubber feet. Listed as standard by Underwriters' Laboratories.

#### HANDY MIX



Much lighter in weight than the large size models, but has plenty of power for all light food mixing. It does a majority of beating, whipping or mixing tasks quickly and thoroughly. It is not suitable for the heavier cake mixes or doughs.

Improved new twin beaters provide perfect areation, so that egg whites are beaten so stiff and fluffy they can be cut with a knife. Whips cream very quickly and so stiff it will stand alone. The powerful mixer motor lifts off stand for portable use.

Has an easy-grip handle at most convenient and restful angle. Also tilts back to drain twin beaters or remove mixing bowl. Twin beaters are instantly and easily detachable by compressing spring clips. Push switch is located conveniently on motor for finger tip control.

Entire Mixer is handsomely designed and beautifully finished in white and red durable baked enamel. Complete with 40 ounce red translucent glass bowl. Inside of bowl is white. Has rubber cord and plug cap attached.

LOCAL DE LA CONTRACTION DE LA

#### MULTI-SPEED ELECTRIC VIBRATOR



Has the outstanding feature that makes possible immediate change of vibration to any speed desired by the user, or prescribed by a physician, from the gentlest vibration for soft, tender skin, to a vigorous vibration for muscle massaging.

Has 4 attachments or applicators, rubber cup, hard ball, rubber finger for scalp treatments, and a soft flat sponge rubber aplicator for facials. Gracefully streamlined — polished chromium and ivory finish. Speed adjustment knurled wheel located under applicator for finger-tip adjustment. On-and-Off switch on back of body. Approved cord and plug cap attached. Underwriter approved.

One to a carton.

#### ELECTRIC VIBRATOR

Hamilton Beach



Motor Driven

Powerful, compact Hamilton Beach universal motor.

Toggle-type vibrating movement.

Adjustments for wear keep movement quiet and efficient for years

Ivory baked enamel finish.

Listed by Underwriters' Laboratories,
Inc.

These features heretofore have been expected only in vibrators retailing for much more. Thousands want the powerful, penetrating vibrating action that only a MOTOR can give. 5 applicators. Onespeed toggle switch in motor case. Motor operates on 115 volts AC or DC. Packed in strong, attractive cardboard box. Instruction sheet furnished (no Health Book.)

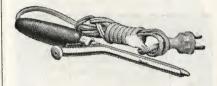
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#### **ELECTRICAL GOODS**

CURLING IRONS

K-M

With Switch in Handle.



Makes any size curl or wave—removable clamp, highly chrome plated for permanent brilliance with cool, ivory plastic bakelite button, with switch in genuine walnut handle. Heats quickly and evenly. Long flexible ivory colored rubber tinsel cord and grip plug. Listed as standard by Underwriters' Laboratories. 18 watts, 115 volt.

#### Peerless



This iron serves essentially as a "Leader" item but it is exceptionally efficient for a low priced curling iron. Metal parts Nickel plated. Equipped with rubber cord and new style flat attachment cap. Length overall 10-inches with A diameter rod.

No. 337—Packed 1 dozen to a box. Wt., per dozen 3½ lbs. Per dozen .....\$3.35

#### CURLING IRONS



A larger, more sturdy iron throughout. Equipped with a more efficient heating element and "Underwriters' Approved" rubber cord with attractive rubber "grip" plug. Metal parts nickel plated. Length overall 10-inches with & diameter rod.

No. 357—Packed one to carton. Wt. per dozen 5½ lbs. Per dozen ...\$6.50

#### WITH SWITCH IN HANDLE



A popular priced iron with octagon handle and a switch in the handle. The switch provides positive contact and is so constructed as to eliminate arcing or short circuiting. This iron is equipped with "Underwriters' Approved" rubber cord and attractive rubber "grip" plug. Metal parts nickel plated. Length overall 10 inches with h inch diameter rod.

No. 367R—Packed one to a carton. Wt. per dozen 6 lbs. Per dozen..\$9.75



# DELUXE RECTANGULAR 20 OUART SIZE Insulated Stainless Steel Hinged Cover



No. 9999-03

Beautifully appointed — quality throughout. White baked enamel finish with black and chromium plated trim—double shell insulated cover with stainless steel interior and chromium plated exterior — built-in time clock—browning vent marked for all types of cooking—automatic thermostat—20 quart removable porcelain enameled cooking well—thick glass wool insulation—cool bakelite handles and knobs—cover raising control.



No. 9998-03

No. 9998-03—Without Time Clock otherwise same as above. Each. \$34.95
Dep't-1 XSTX

Shipping weight 48 pounds.

# ELECTRIC ROASTERS Nesco

MASTER RECTANGULAR 18
QUART SIZE

Single Shell Stainless Steel Hinged Cover.



No. 9997-03

Smartly styled—designed for outstanding economy and superb performance. Contains many of the superior features found in the Nesco De Luxe Roasters. Automatic Time—browning vent marked for all types of cooking—white baked enamel finish with black trim—18 quart removable porcelain enameled cooking well—dial cover raising control—hinged, single shell stainless steel cover—glass wool insulation—adjustable thermostat with signal light control—bakelite handles and knobs.

No. 9997-03—1320 watts, A. C. only. 110-120 volts. Dimensions 215% in. by 17½ inches, by 13½ inches. Complete with five-piece porcelain enamel cooking set, adjustable bake rack, cookie sheet, recipe book and cord set.



No. 9996-03

No. 9996-03—Without Time Clock, otherwise same as above. Each \$28.95
Dep't-1 07 s X
Shipping weight, 42 pounds.

RECTANGULAR 18 OT. SIZE

Single shell stainless steel hingeless



18 quart capacity Single shell stainless steel hingeless cover. Glass wool insulation. Adjustable thermostat with signal light control and "off" position, graduated from 150° to 500° Baked enamel white finish—Black and chromium trim, and black plastic handles.

No. 9995-03—1320 watts. A. C. only. 110-120 volts. Overall dimensions 215% in. long, 157% in. wide, and 131% ins. high. Complete with five-piece porcelain enamel cooking set, bake rack, cord set and recipe book.

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# ROASTER CABINETS AND BROILERS Nesco

# COMBINATION BROILER GRIDDLE

Nesco



For Oval Roasters



For Rectangular Roasters

Combination Broiler-Griddle converts Nesco Roasters to Baby Electric Ranges. Heating element held to griddle by latch to facilitate removal for cleaning. Black plastic handle.

Broiler. Broiling foods is made extremely simple by this new achievement. Featuring a modern method of broiling, void of al the smoke, odor and messy spatter of old time broiling. Tempting dishes can be prepared from most inexpensive meat cuts, imparting the much desired open-fire flavor to all broiled meats.

Griddle. As a griddle its uses are innumerable. The matchless manner in which it performs all tasks from frying bacon and eggs to toasting sandwiches is equaled only by the speed in which it flawlessly performs these duties.

No. 3011—Cast Aluminum Broiler-Griddle. Rated 1500 watts. Fits all 9, 11 and 12 Quart Roasters. Weight each, 6 pounds. Each .......\$5.50
Dep't-1

No. 3012—Cast Aluminum Broiler-Griddle. Fits 18 and 20 quart rectangular roaster. 1500 watts. Weight each, 6 lbs. Each .....\$6.95
Dep't-1

#### CABINETS



Hinged door front—two storage shelves—white baked enamel finish—black trim—chromium plated door handle—rubber casters. 29 inches high, 21½ inches wide, 14½ inches deep.

Dep't-1

No. 89005—Cabinet for 9996-03, 9995-03 and 9434-03 roasters. (Each less roaster shown in cut .......\$10.34 roaster shown in cut. ......\$7.95 Dep't-1 AOT One to a carton. Weight each, 32 lbs.



#### ELECTRIC CASSEROLES



Full 234-quart capacity, removable enamel cooking well—thick, efficient glass wool insulation—white baked enamel finish with contrasting black trim—white porcelain enamel cover—Hi-Lo heat control—modern black handles—improved "double element" type heating element. Underwriters' approved cord set—recipe book.



Two quart capacity. Non-removable cooking well. Glass wool insulated. Ivory enamel finish with black trim. Hi-Lo heat control.

No. 5111—Round Casserole. 325 watts high heat 100 watts low. For 115 volts A.C. or D.C. Size 9 inches wide, 834 inches high. Weight each, 7½ lbs. Each \$4.60

#### **ELECTRICAL APPLIANCES**

CASSEROLE STEAM COOKER



Steam cooker increases capacity and utility of casserole. Makes the entire unit large enough to prepare a complete meal for as many as 6 people. Vegetables in the Steam Cooker are cooked by the steam from the meat below. Used simply by placing on top of Casserole.

No. 42004—White finish for use with 4211 casserole. Each .......\$1.75

No. 50004—Ivory finish for use with 5111 casserole. Each .........\$1.75

Nesco



Full 6-quart capacity—porcelain enameled, removable cooking well—thick, efficient glass wool insulation—white baked enamel finish with contrasting black trim—Hi-Lo heat control—white porcelain enameled cover—cool black plastic handles—improved "double element" type heating element—Underwriters' approved cord set—recipe book.



# HEATER ELEMENTS Eagle



Cone Shape.

Fits all screw type heaters. Genuine nichrome wire on porcelain core of high heat strength.

No. 415A—600 Watt, 110 volt A.C. or D.C.. Twelve to carton. Weight per carton, 4 pounds. Each .......\$0.30

One to a box.



Horizontal Type

Fits all heaters where the element is bolted horizontally, such as the Majestic. Hot Point, etc.

# FLATIRON REPLACEMENT ELEMENTS

Will Fit Practically All Flat Irons



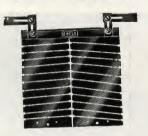
Pure Mica Insulation of highest grade; Nichrome ribbon resistance wire to give uniform distribution of heat oven entire surface of iron. Brass lead strips covered with asbestos tubing, permitting quick installation and preventing short circuit.

No.	110-550	W	110	V.	Each	\$0.75
						1.50
No.	32-550	W	32	V.	Each	1.50

Weight each approx., 4 ozs.

## ELECTRICAL GOODS

TOASTER ELEMENT



Can be adjusted by means of corner straps to fit many different toasters. Straps are transferable and can be mounted in bottom holes.

# REPLACEMENT ELEMENTS Nichrome



Requires no further cutting and may be stretched to any desired length.

No. 1030—Made from \$\frac{1}{2}\$ inch diameter No. 2 Nichrome wire. For general 110 volt repairs on 600 Watt Toasters and Heaters. Per card ....\$0.10

No. 4653—Made from  $\frac{3}{2}$  inch diameter No. 3 Nichrome Wire. For 600 watt Hot Plates and other heavier work on 110 volts. Per card ....\$0.20

Above put up 1 length to a card or 10 cards to carton. Weight per 100, 6 pounds.

#### ROUND TERMINAL Fitsall



For repalcement of badly burned and pitted electric iron terminals. Supplied with mica and brass washers; size Ax1 inch exclusive of nuts.

No. 330—Fitsall Round Terminal. Wt., per 100, 2½ lbs. Per 100 .........\$5.00

# COILED NICHROME WIRE ON SPOOLS



Consisting of genuine Nichrome wire for repairs to burned out appliances. Full instructions on spool.

No. 2—s<sub>7</sub> inch diameter of Coiled No. 22 wire for general 110 volt repairs. 12 feet of coiled wire. Per spool. .\$2.00

No.  $3-3\frac{7}{2}$  inch diameter. For electric Hot Plates and heavier work on 110 volts. 600 watts. Per spool .....\$2.75

No. 5—1/4-inch diameter of Coiled No. 18, Nichrome V wire for electric ranges and heavy duty repair work from 1000 to 1500 watts. 10 feet of coiled wire. Per spool .......\$6.75



Nichrome wire ¼-inch Diameter. For electric ranges and other heavy duty repairs. Each length supplied with 4-inch leads covered with fish bead insulators to facilitate connections. Only Nichrome V, the highest grade wire made is used. One length of specified wattage to a spool. Stretch as desired.

No. 1200—1200 watts. Gauge 18. Per length ......\$1.20

No. 2000—2000 watts. Gauge 16. Per length .......\$2.25

#### **ELECTRICAL GOODS**

#### NEW MODEL "E" HAMILTON BEACH FOOD MIXER



ANY SPEED DESIRED

The new Model E is not limited to any definite number of speeds. The slightest change in the position of the speed control switch changes the speed of the beaters. For convenience in referring to the speeds required for different recipes in the recipe book, the speed control is marked from 1 to 15. Any desired speed is available.

STEADY—FULL POWER AT ALL SPEEDS
The Model E maintains constant,, controlled speed of the beaters in heavy or light mixtures, at low or high speeds. No slowing down as the mixture becomes heavier when "folding-in,"—no speeding up as the mixture thins when adding milk or water.

AND—IT'S STILL A ONE-HAND PORTABLE MIXER
The powerful, compact motor lifts easily off the stand with
one hand—there is nothing to release or detach. The same
hand starts and stops the motor or controls mixing speeds—
giving complete one-hand operation. Take the motor to the
stove or table—mix in any bowl or pan.
Equipped with Radio interference eliminator.

GUARDED BEATERS

The chromium plated beaters are fastened together and protected by a guard. Slide off easily in one piece. No need to take hold and pull when there is batter on them. Instead of being perfectly flat, the beaters are ribbed like those on hand type dover beaters. This construction beats in the greatest amount of air giving greater volume and lighter texture to

#### BOWL CONTROL

"Bowl Control" is only one of many reasons why a Hamilton Beach Food Mixer produces better results-and is easier to use. It regulates the revolving speed of the bowl and shifts the bowl back and forth so that beaters are in any position desired—from the center to the very edge. This exclusive feature prevents the mixture from piling up in the middle or around the edge of the bowl.

#### -SPECIFICATIONS-

This mixer has more power than is ever needed. Only part of its capacity is used for heaviest mixtures.

Chromium plated double beaters for regular mixing; single agitator for mixing in a glass.

Opaque glass bowls in beautiful ivory or white. Small bowl hold 1 quart; large bowl, 3 quarts.

Easy to keep clean. Baked enamel finish and chromium plate Non-marring Rubber Feet.

Worm-Gear Drive. Quiet, compact, long-life. Gears will not strip even if a spoon is caught in the beaters.

Bakelite handle on top. Nicely balanced due to horizontal

position of motor. Long Rubber Cord. With rubber plug. Cord is easily serviced

without taking apart motor case.

Hidden quality. Every part precision made to typical Hamilton Beach standards. Built to give silent, efficient service for

many years.

Operates on 110-120 volts DC or AC up to 75 cycles

loods.
Model EI—Ivory Food Mixer (Without Juice Extractor.) Weight each, 21 pounds. Each
Model FW White Food Miver (Without Juice Extractor.) Weight each, 21 pounds. Each
We WI Twomy Tujes Extractor Attachment Fach
Truing Evitage Attachment Foch
No. 1407 Tongs Trong Class Povyl Fach
AV NAST Court II I Town Class Down Fook
#No. 166I—Ivory Extractor Glass Bowl. Each 1.10
No. 141W—Small White Glass Bowl. Each 1.10  No. 141W—Small White Glass Bowl. Each 7.5
No. 141W—Small White Glass Bowl. Each
No. KMC190—Extra Beaters for Models B, C, D, and E Mixers. Per set
No. RMC190—Extra Beaters for Models B, C, and I make the state of the

#### ELECTRICAL GOODS

Attachments Will Fit Models B, C, D & E.

#### BEAN SLICER AND PEA HULLER



Hulls peas and lima beans quickly and easily. Slices string beans in long thin strips. Cooking time greatly reduced-better flavor.

Die cast polished metal. Attaches to Hamilton Beach Food Mixer where beaters come off. Easily cleaned.

Bean Slicer & Pea Huller—No power unit needed. Wt., each, 1½ pounds. Each .....\$2.45

One in a carton.

#### COFFEE GRINDER ATTACHMENT



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.75

Sets on motor where Extractor lifts off. All coffee contains an occasional stone. When this strikes the cutter, clutch drive prevents breakage. This is the first home coffee grinder that provides for these stones.

Specifications-No grinder teeth to break. Top glass jar holds 1 lb. Adjustable; grinds coarse for boiling; medium for percolating; and very fine for vacuum type coffee makers.

#Coffee Grinder Attachment—No power unit needed. Wt., each, 51/4 lbs. Each. \$3.50 One in a carton.

## SLICER AND SHREDDER ATTACHMENT



Slicer cone with six knives revolves in housing and quickly slices potatoes, beets, turnips, cucumbers, apples and other fruits or vegetables. Slicer cone is easily replaced by shredder cone. Shreds cabbage, lettuce, carrots, applies, shoe-string potatoes and practically all vegetables and fruits. Specifications—Die-cast housing. Hard-ened metal cones for cleaning cutting and

long life.

One to a carton.

## MEAT GRINDER AND CHOPPER ATTACHMENT



Has inside cutter, very latest type for grinding meat without crushing it. Also, a coarse plate and 2 cutters are furnished for chopping vegetables. This attachment is very practical for grinding meat; chopping apples or other vegetables; crumbing bread or crackers; chopping nuts, dates or raisins, etc. Wooden stomper furnished.

Specifications—Cast housing and feeder screw. 3 cutter knives and meat plate are hardened steel, with machine ground cutting surfaces.

Meat Grinder and Chopper Attachment-Must be used with Power Unit. Weight each, 41/4 lbs. Each .......\$3.75 One in a carton.

#### POWER UNIT



Fits all attachments that require power

Specifications—Ball-bearing construc-tion. Cut gear and cut worm with triple thread. Gear reduction 23% to 1; drives attachments about 40 R. P. M. Built "like a truck drive," it furnishes an abundance of steady, quiet power. One to car-

Power Unit—Weight each 61/2 pounds. Each .....\$4.50

#### JUICE EXTRACTOR ATTACHMENT



Operates on top of motor, Extracts all juice from oranges, lemons, and small grapefruit. Sanitary-no metal parts are connected to bowl; it may be washed like a china dish. Ball thrust bearing. Removable strainer. Bettleware reamer. Removable spout to guide juice into glass. Beautiful ivory bowl of opaque glass. One in carton. Shipping weight about 4 lbs.

No. XI-Ivory Juice Extractor.

Each .....\$2.75

No. XW-White Juice Extractor.

Each .....\$2.75

All items marked thus # not carried in stock, but shipped direct from factory.

#### **ELECTRICAL GOODS**

# SUNBEAM MIXMASTER—NEW AUTOMATIC Streamlined Beauty



## TEN SPEEDS WITH FULL POWER ON EVERY SPEED

Styled to the minute. New Streamlined design. Now the favorite food mixer—the preference of women everywhere—with marvelous new features that make it Easier to use. More efficient than ever. Add all the ingredients you want—make the batter thick as you like—and the beater-speed will remain constant, right where you originally set it no matter how increasingly heavy the load gets. Automatic Power Control delivers the same Full Power on the special low folding speed as on the new high Whipping speeds.

## NEW AUTOMATIC BEATER EJECTOR

No other food mixer offers this new exclusive Mixmaster advantage. Tilt the handle—out drop beaters. No pulling. No more messy fingers. Hand need never touch the beater surfaces themselves.

Only mixmaster has the famous Mix-finder dial on which the different speeds are plainly marked to show No. 2 speed for mashing potatoes No. 6 speed for whipping cream etc.

Complete with juice extractor, strainer, mayonnaise oil dropper, Full-Mix beaters and 2 mixing bowls.

Complete with Juice character, services,	
Model No. 7—With Juice Extractor. Ivory and Green. Shipping weight, 25 pounds. Each	24.70
Model No. 8—Less Juice Extractor. Ivory and Green. Shipping weight, 20 pounds. Each	22.00
No. LG—Large Green Glass Mixing Bowl. Each	1.20
No. SG—Small Green Mixing Bowl. Each	80
No. SG—Small Green Mixing Bowl. Each	1.40
#No. JG—Green Juice Extractor Bowl. Each	1.20
No. LW—Large White Mixing Bowl. Each	80
No. SW—Small White Mixing Bowl. Each	1 40
*No. JW—White Juice Extractor Bowl. Each	1.40
No. C33Y—Beater Blades. Per pair	1.00
1101 0001	

All items marked thus # not carried in stock, but shipped direct from factory.

#### ELECTRICAL GOODS

#### SUNBEAM MIXMASTER ATTACHMENTS

#### MIXER COVER

Pliofilm



Keeps mixer clean and free from dust. Pliofilm transparent material will not get brittle, crack or stick together. To clean merely wipe with damp cloth.

No. 858W—Pliofilm Cover.

Each ....

1 to envelope.

#### POWER UNIT



Made only in one model and will fit all attachments which must be used in conjunction with power units.

No. PU6-Power unit. Each .....\$2.75

## MEAT GRINDER-FOOD CHOPPER



The double purpose attachment—both a The double purpose attachment—both a marvelous meat grinder and a fast, efficient chopper, too. There's a knife for grinding raw meat, and two other knives for chopping vegetables of all kinds and cooked meats, one fine, one coarse. Grinds meat for hash, hamburger, meat loaf, etc. Nothing to hold or turn. Complete with coarse and fine cutting knives.

N. FW6—Meat Grinder-Food Chopper,

less power unit (must be used with power unit.) Each .......\$3.75

#### SLICER AND SHREDDER



Safe and practical. Turns out marvelous Safe and practical. Turns out marvelous escalloped dishes, potato chips, etc. Shreds vegetables for soups, slaws, salads. Cuts perfect straight slices—not diagonal like some. There's a disc for slicing and a disc for shredding. A special grater disc and an ice crusher disc is also available. Has large capacity hopper. Impossible for user to injure her fingers—has an exclusive natented safety device. clusive patented safety device.

#### JUICE EXTRACTOR



For oranges, lemons, etc. Gets every last drop and strains it, too. Has mayonnaise oil-dropper that allows salad oil to drip into mixture below at any speed you regulate

No. E-Juice Extractor with green bowl. Each .....\$2.75

No. EB-Juice Extractor with white bowl, Each .....\$2.75

#### POTATO PEELER



It's almost human—goes into the hollows and over bumps. Takes off less peel than by hand. No water—no mess. The clean, fast, easy way. Makes marvelous shoestring potatoes, fancy bows, garnishes.

#No. VP—Potato Peeler, (no power unit needed.) Each ......\$5.00

#### CAN OPENER



Holds and turns can around while cutting, leaving smooth edge. Entirely automatic, nothing to hold. Opens any size can, square or round.

‡No. CO—Can Opener, less power unit; (must be used with power unit). Ea.\$2.00

#### COLANDER



Marvelous for ricing potatoes, for tomato juice, for purees of all kinds, for sieving, creaming bananas, etc. Easy to use and FAST. Perfect for "strained" vegetables #No. CA—Colander less power unit. (must be used with power unit). Each....\$4.50

#### ICE CREAM FREEZER UNIT



Makes ice cream at home, better and cheaper. Does all the work—and will fit freezers, old or new, any size up to three quarts. Use with all Mixmaster portable models.

#No. IC—Ice Cream Freezer Units (no power unit needed). Each..\$3.50

#### COFFEE GRINDER



#No. CG-Coffee Grinder, less power unit (must be used with power unit.) Each .....\$2.50

Items market thus # not carried in stock but shipped direct from factory.

# ELECTRICAL GOODS SUNBEAM MIXMASTER ATTACHMENTS

#### PEA SHELLER



Feed fresh pea-pods into the sheller—the empty hulls drop out on the other side. THE SHELLED PEAS DROP INTO THE BOWL. Twice as FAST as by hand, much easier. Saves time—saves your fingers.

#No. PS—Pea Sheller. No power unit required. Each ......\$2.00

#### DRINK MIXER



Operates on same principle as high speed soda fountain drink mixers. Complete with its own unit which increases speed—Slips in place of one beater. Furnished with substantial, tall mixing glass.

#No. DM—Drink mixer (no power unit needed). Each ......\$2.50

#### POLISHER AND BUFFER



Cleans all silver. Used with Mixmaster on stand for polishing knives and forks or portably for polishing flatware and bigger pieces. Complete with silver polish.

‡No. PB—Polisher and Buffer (no power unit needed). Each ..........\$0.75

#### KNIFE SHARPENER



This is a real knife and scissors sharpener, amazingly efficient. Guide for knife blade insures correct position at all times for sharpening edge.

#No. KS—Knife Sharpener. No power unit required. Each ...........\$3.50

#### BEAN SLICER



Slices beans ready for cooking in a very short time. Simply feed them into the opening in the top of disc. No matter how tough or tender, this attachment does a perfect job.

‡No. B. S.—Bean Slicer (has its own power unit). Each ......\$2.00

#### BUTTER CHURN



This churn attachment makes butter easily and quickly. Built to last with stainless steel, rust-proof inside parts, wood paddles, sturdy 4-quart crystal-glass churning jar.

#No. C.B.—Butter churn. (Has its own power unit). Each ......\$3.95

Items market thus # not carried in stock but shipped direct from factory.



# WRIST WATCHES Hampden



10 karat natural Yellow rolled gold plate case, raised figure dial. Choice of two Hampden movements. Silk cord with ratchet safety clasp.

No. 4136—17 Jewel Movement. Each	07XA
No. 4137—7 Jewel Movement. Each	\$27.30 ○ V ⊕ Δ



10 karat Pink rolled gold plate case. Choice of two Hampden movements. Raised figure dial. Silk cord with ratchet safety clasp.

No. 4131—17 Jewel Movement Cut.	. Each\$36.50
No. 4132—7 Jewel Movement.	Each\$27.30



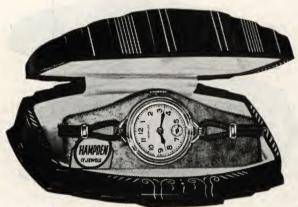
New design of the popular round shape two diamonds set in 10 karat natural Yellow rolled gold plate case. 17 Jewel Hampden movement, raised figure dial. Silk cord with ratchet safety clasp.

	,	
No. 4130—Each . Cut.		52.50 Θ X Δ



A modern decorative development. 14 Karat pink solid gold case and 17 Jewel Hampden movement with raised figure dial. Silk cord with ratchet safety clasp.

ligure dial. Slik cord with ratchet safety clasp.
No. 4134A—Each\$49.00
Cut. XAAZ
No. 4134B—Same as No. 4134A except Yellow Gold.
Each\$49.00
Cut



10 Karat natural Yellow rolled gold plate case with non-corrosive steel back. Choice of two Hampden movements. Raised figure dial. Silk cord with safety ratchet.

No. 4167—17 Jewel Movement. Each ....\$29.00
Cut. OAAZ
No. 4168—7 Jewel Movement. Each ....\$21.00
Cut. 02AZ



10 Karat natural Yellow rolled gold plate case with non-corrosive steel back. Choice of two Hampden movements. Raised figure dial. Silk cord with safety ratchet. No. 4173—17 Jewel Movement. Each ...\$29.00 Cut. OALZ No. 4174—7 Jewel Movement. Each ...\$21.00 Cut.



10 Karat Pink rolled gold plate case. Choice of two Hampden movements. Raised figure dial. Link bracelet with ratchet safety clasp.

No. 4138—17 Jewel Movement.	Each\$38.50
Cut.	AXEO
No. 4139—7 Jewel Movement.	Each\$29.30
Cut.	ΔΘΛΟ



10 Karat natural Yellow rolled gold plate case. Choice of two Hampden movements. Raised figure dial. Silk cord with ratchet safety clasp.

No. 4140—17 Jewel Movement. Cut.	Each\$36.50
No. 4141—7 Jewel Movement.	Each\$27.30 Ο V Θ Δ

#### GUARANTEE

Every Hampden Watch is fully guaranteed for precision craftsmanship, and excellence of materials, also against defects in manufacture. Hampden Watch Co.

Gift Boxes-Every Hampden Watch delivered in presentation box, as pictured.

# WRIST WATCHES Hampden



Simple modern lines with smart link bracelet, enhancing the entire design. 10 Karat new Pink gold filled case. 17 Jewel Hampden movement with raised figure dial. Bracelet has ratchet safety clasp.

Diacetet has fatener safety class.	MAR PO
No. 4123A—Each	\$47.50
Cut.	XVTA
No. 4123B—Same as No. 4123A except Yellow	Cold
Each	\$47.50
Cut.	XVTA
Cui.	



Tailored elegance—modern simplicity. 10 karat natural yellow gold filled case. 17 jewel Hampden movement with raised figure dial. Silk cord with ratchet safety clasp.

No. 4128—Each \$40.00

Cut. XZSZ

No. 4135—Same as above in 14 Karat natural Yellow solid gold case. Each \$49.00

Cut. XADZ



All the allure of exquisite styling. 10 karat natural Yellow gold filled case. 17 Jewel Hampden movement with raised figure dial. Silk cord with ratchet safety clasp.



A new treatment of the popular cushion shape. 14 karat natural Yellow solid gold case. 17 Jewel Hampden movement with raised figure dial. Silk cord with ratchet safety clasp.

clasp. No. 4120—Each	\$57.00 X7AZ
No. 4122—Same as No. 4120 in 10 Karat n gold filled case. Each	\$45.00
Cut.	XSAZ



Exquisite new cushion shape. 14 Karat solid gold, pink lapped case. 17 Jewel Hampden movement with raised figure dial. Silk cord with safety clasp.

No. Cut.	 			\$57.00 X7 A Z
No. Cut.	as above i	n Yellow	Gold.	Each\$57.00



Pink, 14 Karat solid gold lapped case. 17 Jewel Hampden movement with raised figures on a black dial. Silk cord with ratchet safety clasp.

No. 4118A—Each		\$57.00 X7 A Z
No. 4118B—Same	as above with Pink Dial	Each\$57.00



Newest tonneau shape gives a long slim effect. 14 Karat natural Yellow solid gold case set with two lovely diamonds. Hampden 17 Jewel movement with raised figure dial. Silk cord with safety clasp and guard chain.

No.	4100-Each	 \$80.00
Cut.		AZSZ



A Nun's watch which is also suitable for a nurse. Case is sterling silver. 17 jewel Hampden movement; silver dial with raised blue figures and blue hands; long sweep second hand.

No. 4170-Each							.\$36.50
Cut.							07XA

#### GUARANTEE

Every Hampden Watch is fully guaranteed for precision craftsmanship, and excellence of materials, also against defects in manufacture. Hampden Watch Co.

Gift Boxes-Every Hampden Watch delivered in presentation box, as pictured.

# WRIST WATCHES Hampden



Modish and definitely dressy. This unusual and highly attractive design combines the popular rectangular style with sleek, modern lines. 14 Karat Solid Yellow Gold Case. Curb link bracelet with ratchet safety center. 17 Jewel Hampden movement with raised figure dial. Presentation box.

No. 4121A—Each	 \$	59.00
	Karat Solid White	



A neat tailored design—as new as the last minute. 10 karat natural Yellow gold filled case. 17 Jewel Hampden movement with raised figure dial. Silk cord with ratchet safety clasp.

No. 4124-Each		5.00
Cut.	XS	ΔZ



New design styled to the minute. 14 Karat pink solid gold lapped case. 17 Jewel Hampden movement with raised figure dial. Silk cord with ratchet safety clasp.

No. 4116—Each	 	X7AZ
No. 4117—Same solid gold lapped Cut.		natural yellow



Ideal for nurses, teachers, and candid camera fans. These watches have a long sweep second hand which gives you time to the second. 17 Jewel Hampden movement with raised gilt figures and gilt hands. 10 Karat Yellow rolled gold plate case with non-tarnishable steel back. Silk cord with ratchet safety clasp.

	\$32.00 00 Z S
Cut.	0025



Graceful model with a dressy appearing link band. 10 karat natural Yellow rolled gold plate case. Curved to fit the wrist. Raised figure dial. Link bracelet with ratchet safety clasp.

No. 4154—17 Jewel movement. Cut.	Each\$41.20 x z \(\theta\) z
No. 4155—7 Jewel movement. Cut.	Each\$30.50



New square model. 10 karat Natural Yellow gold filled case. Accurately made by expert watchmakers for life long dependability. 17 Jewel Hampden movement; two tone dial. Pigskin strap with buckle.

No. 4177—Each	
Cut.	XOXA



New styling in the popular cushion shape 10 karat Pink rolled gold plate case with special non-corrosive back. 17 Jewel Hampden movement. Raised figure dial. Pigskin strap with buckle.

Cut.	OATA
No. 4159—Same as above with 7 Jewel Hampden ment. Each	
Cut	OSAZ

#### GUARANTEE

No. 4159 Fach

Every Hampden Watch is fully guaranteed for precision craftsmanship, and excellence of materials, also against defects in manufacture. Hampden Watch Co.

Gift Boxes—Every Hampden Watch delivered in presentation box, as pictured.

# WRIST WATCHES Hampden



A distinctive, thin, modern man's watch—curved to fith the wrist snugly. 10 karat natural Yellow rolled gold plate case. 17 jewel movement. Pigskin strap with buckle.

No. 4142—Each	\$36.50
Cut.	07XA
	as above with 7 Jewel movement. \$27.30



10 karat natural yellow rolled gold plate case with swinging ends. 17 jewel Hampden movement; white Roman numerals on dial and white hands. Pigskin strap with buckle.

No. 4171—Each	\$36.50 07XA
No. 4172—Same as above with 7 jewel Hampde	
ment. Each	
Cut.	OVOA



New treatment of the popular rectangular shape. Comfortably curved to fit the wrist. 10 karat new Pink Gold filled case with 17 jewel Hampden movement with raised figure dial. Pigskin strap with buckle.

110 011 C 0110111 1 10 D 111111	Dereit	**	N OF OTTAGE	
No. 4145—Each		• • • •		\$42.50 XOXA



Waterproof—Here is a Hampden that even water will not harm. Case is all stainless steel that will not tarnish, and is fitted with a genuine 17 jewel Shockproof Hampden movement, silver dial with raised blue figures. Grey waterproof leather strap. Presentation box.



Doctors'—Indispensable for doctors, nurses, camera fans, sport fans. All need the split minute timing of these watches. Long sweep second hand, easy to read at a glance. 10 karat yellow rolled gold plate case. 17 Jewel Hampden movement with silver metal dial; raised gilt figures and gilt hands. Pigskin leather strap.



New, thin, handsome; curved to fit the wrist. Excellent taste. 10 karat natural yellow rolled gold plate case. Raised figure dial. 17 Jewel Hampden movement. Pigskin strap with buckle.



10 karat pink rolled gold plate case with special high crystal. 17 jewel Hampden movement; two-tone dial. Brown suede strap with buckle.

No. 4175—Each	\$36.50
Cut.	07XA
No. 4176—Same	as above with 7 jewel Hampden move-
ment. Each	
Cut	OVAA

#### GUARANTEE

Every Hampden Watch is fully guaranteed for precision craftsmanship, and excellence of materials, also against defects in manufacture. Hampden Watch Co.

Gift Boxes-Every Hampden Watch delivered in presentation box, as pictured.

# WRIST WATCHES Hampden



Ultra modern design—streamlined and comfortably curved to fit the wrist snugly. Beautiful 10 karat natural yellow gold filled case. 17 jewel Hampden movement with raised figure dial. Pigskin strap with buckle.

No. 4160—Ea	ch	2.50
Cut.	^'	JAA



Smart simplicity in black and gold. Today's newest styling. Reverse dial of black with gold figures and hands. 10 karat new pink gold filled case. 17 jewel Hampden mvoement with raised gold figure black dial. Curved to fit the wrist. Pigskin strap with buckle.



Rugged and reliable. 10 karat Natural Yellow rolled gold plate case with special non-corrosive back. Raised figure dial. 17 Jewel Hampden movement. Pigskin strap with buckle.

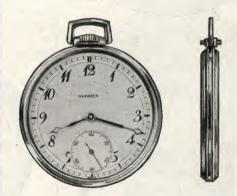
No.	4149—Each															.\$29.5	50
Cut.																OAT	



Extra thin model pocket watch. 10 karat yellow gold filled case. 17 jewel Hampden movement; raised figure dial. Presentation box.

No. 4162—Each	 \$42.50
Cut.	XOXA

No.	4163—	Same	as	above	with	14	karat	Yellow	solid
gold	case.	Each							92.00
Cut.									AOZS



Extra thin model pocket watch. 10 Karat yellow rolled gold plate case. 17 jewel Hampden movement; raised figure dial.

No. 4161—Each	 \$35.00
Cut.	QTAZ

No. 4164 Same as above with 7 Jewel Hampden movement. Each \$27.50

#### GUARANTEE

Every Hampden Watch is fully guaranteed for precision craftsmanship, and excellence of materials, also against defects in manufacture. Hampden Watch Co.

Gift Boxes-Every Hampden Watch delivered in presentation box, as pictured.

#### WRIST WATCHES RIST-ARCH Ingersoll



It has a curved case, arched to fit the wrist and its precision movement, fitted with 2V jewels at the balance joints. It has a slim, rectangular chromium plated case; the smart, styled-to-the-minute dial and hands, the unbreakable crystal; the stainless metal ratchet band or black perspiration-proof leather strap.

1 in a box.

#### WARRIOR Ingersoll



Khaki colored case. Radiolite numerals and hands. Sweep second hand. Khaki web strap. Unbreakable crystals.

Warrior—Each .....\$4.95 Cut.

1 in a box.

#### SWAGGER WRIST WATCH Ingersoll



A sturdy reliable wrist watch with bright nickel case, leather wrist band, second hand, modern hands, trim bow and crown, unbreakable crystal.

## SWEEP SECOND WRIST WATCH

Ingersoll



Chromine finish case, unbreakable crystal, red sweep-second hand and red numerals at 15, 30, 45 and 60 seconds. Black leather strap at metal band with ratchet clasp. Ideal for professional use.

#### Sweep Second Wrist Watch-

With Leather Strap. Each...\$3.95
With Metal Band. Each .... 3.95
Cut. XTS

1 in a box.

# SWEEP SECOND POCKET WATCH Ingersoll



Chromium finish case—Easy to read numerals, second hand makes complete circle of dial; seconds indicated on outer edge of dial.

## New Sweep Second Pocket Watch-

Each ......\$2.2 Cut. 0 Δ 1

1 in a box.

#### POCKET WATCHES ESCORT RADIOLITE Ingersoll



Small, thin, Chromium finish case. Tells time in the dark. Radiolite hands and numerals at 9, 12, 3. Also Radiolite markers at each hour. Unbreakable crystal.

Escort Radiolite—Each ......\$2.25 Cut. 1 in a box. 0AT

#### NEW YANKEE



A low priced pocket watch. The new thinner telescopic case houses a movement time-tested for accuracy. Unbreakable crystel can't possibly come out. Smart airplane-type dial; two tone chromium finish.



The finest watch at the price. Bright nickel case, etched silver dial; modern hands; trim bow and crown, nicely packaged.

All Clocks and Watches needing repairs must be sent direct to the factory making them, by customer himself and not to us. Factory Ingersoll Waterbury, 111 North Canal St., Chicago, Ill.

# WRIST WATCHES Westclox Judge



Beautiful in design—gold plated case—stainless steel curved back. Non-breakable crystal. Round metal dial with decorative gold colored circles forming a numeral track. Heavy plain numerals and hands.

Westclox Judge—With Pig Grain Cowhide Strap. Each .......\$4.95 Cut.

1 in a box.

#### Westclox Wrist Ben



Chrome plated case with Butler trim—stainless steel back. Rich two tone silvered metal dial—especially legible numerals and hands. Sturdy movement—regulated to run in any position. Easy to wind—equipped with second hand—rust-proof hair-spring. The strap or bracelet can easily be removed for the case is fitted with spring bar push pins. Comes with unbreakable crystals.

#### Westclox-Rocket



Chrome plated and has a curved back. It is fitted with a black strap, has a rich two toned dial, heavy hands large easy to read numerals and unbreakable crystal. The sturdy movement is regulated to run in any position.

No. 677	-With Leather Strap.	
Each		.\$2.95
Cut.		XZΘ
	1 in a hox	

# POCKET WATCHES BULL'S EYE Made by Westclox



Bull's Eye—Heavily nickeled case, 30 hour movement, stem wind and set, antique bow and crown, 1% inch dial, easy to read. Wt., each 3 ozs. Each ........\$1.00 Cut. Temp. Out.

1 in a box.

#### DAX Westclox...



New, thin, smart, sturdy type model, with close fitting bezel and back. Easy to read, metal dial with two tone effect, heavy hands. Unbreakable crystal. New type bow and crown, pull out hand set. Non-magnetic, rustless spring.

1 in a box.

#### POCKET BEN Westclox



A small dependable watch. Heavily nickeled case, 30-hour movement. Pullout set. Has rich silvered metal dial, pierced hands, rustproof, non-magnetic hair spring.

No. 621—Pocket Ben. Shipping weight, per dozen 9 lbs. Each ......\$1.50
Cut. 02A

1 in a box.

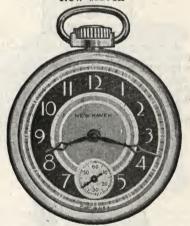
## CLIP EASEL WATCH



Cut. VAT

1 in a box.

# POCKET WATCHES ELM CITY New Haven



A good dependable time piece. Made by New Haven Clock Co. and thoroughly guaranteed by them.

Elm City—Weight, per dozen, 1¾ pounds Each ....\$1.25 Cut. 7 X

All clocks and watches needing repairs must be sent direct to the factory making them, by customer himself and not to us.

# Factory Western Clock Co., LaSalle, Ill.

X%% discount on two dozen Westclox Clocks and/or Watches, one model or assorted models. A% discount on six dozen Westclox clocks and/or watches. Full freight allowed on orders weighing 100 lbs. or more when shipped from factory.

#### TABLE CLOCK Westclox



A field of deep green with gold finished hour hand and minute hand. A heavy, rounded crystal gives a beautiful opalescent softness to the deep green dial. White inlaid gold roman numerals around the edge of white composition. Furnished with perpetual calendar. Weight each, 5%

No. 691-234 inches high when used on easel. Not an alarm. Each. .\$3.95 Dep't-2

1 in a box.

#### LA SALLITA Westclox



A new pull wind Westclox-time clock only. 3 inches high, 3½ inches wide. Thin plastic case. Back foot rest. Weight 7 ounces.

No. 695—Black with nickel trim.

No. 696—Ivory with gold color trim.

Each .....\$1.95 OVT Dep't-2

1 in a box. TRAVALARM Westclox



Can be tucked in a pag or set on desk, radio or dressing table. A sliding shutter completely closes the front Two tone silvered metal luminous dial, black composition case with nic-kel trim; hinged easel back, nonbreakable crystal. Height 234 ins. width 234 ins. Wt. each 34 lb.

No. 450—Each .....\$3.95

Dep't-2 XTS No. 451-Same as No. 450 except Ivory Finish. Each .....\$4.45 VOX Dep't-2

1 in a box.

#### BIG BEN Westclox



This Big Ben is for the extra heavy sleeper. Dustproof case, intermittent alarm. Large easy winding keys. Convenient hanger on the back swings down out of sight when not in use. Black and nickel finish. Height 51/2 inches. Weight, 21/4 lbs.

No. 201-Plain dial. Each ....\$3.25 Dep't-2

No. 211-Luminous dial. Each.\$4.25 Dep't-2 X 3 7 1 in a box.

BIG BEN CHIME ALARM

Westclox



A new model, beautifully styled. 5 1/2 inches high. Finished in lustrous black and nickel. His tick is as quiet as a watch. To-voiced alarm—first in a series of chime calls, then a loud steady call. Convenient shut-off.

No. 221-Big Ben Chime Alarm Plain 

No. 231-Big Ben Chime Alarm Luminous Dial-Lustrous black and nickel. Weight each 2 lbs. Each .....\$4.50

No. 225-Ivory. With gold trim. Plain dial. Weight each, 2 lbs. Each. . \$3.50

No. 235-Ivory with gold trim. Luminous Dial. Weight each, 2 pounds. .....\$4.50 Each VOR Dep't-2 1 in a box.

BABY BEN Westclox



Has a new quiet tick—Steady mellow alarm. Felt cushioned. 3½ inches high.

No. 321—Baby Ben Plain Dial. Black with nickel trim. Wt. each, 34 lb. Each .....\$3.25

No. 331-Baby Ben Luminous Dial. Black with nickel trim. Wt. each, 3/4 lb. Each ......\$4.25

No. 324—Baby Ben Plain Dial. Ivory with gold trim. Wt. each, 34 lb. Each .....\$3.25

No. 334—Baby Ben Luminous Dial. Ivory with gold trim. Wt. each 34 lb. Each .....\$4.25 Dep't-2

1 in a box.

RINGO Westclox



A smart new one day clock. Beautiful lacquer finish metallic lusternickel trim .Top alarm shutoff switch, an attractive two tone dial of ivory and tan. Convex glass, gold, easy-to-read numerals—the steady alarm rings on an inner bell.

No. 93-Brown. 41/2 inches high. Wt. each, 13/8 lbs. Each .......\$1.35

No. 94—Ivory. 4½ inches high. Wt. each, 13% lbs. Each ......\$1.35 Dep't-2

1 in a box.

x%% discount on two dozen westclox Clock and/or Watches, one model or assorted models. 4% discount on six dozen Westclox clocks and/or Watches. Full freight allowed on orders weighing 100 lbs. or more when shipped from factory.

All Clocks and Watches needing repairs must be sent direct to the factory making them, by customer himself and not to us.

Western Clock Co .- LaSalle, Ill. Factory

## KENO Made By Westclox



Seamless case. 30 hour movement. Clean cut numerals and hands. Steady alarm—convenient shut-off switch. 4½ inches high. Three finishes—red, blue, and green.

Keno—Weight each, 1 lb. Each. \$1.25 Dep't-2 Temp. Out

1 in a box.

SPUR Westclox



Smart, thin case finished in black with nickel trim and a large legible dial, 30 hour movement—steady alarm—push-in shut-off switch—heavy numerals—pierced hands.

No. 12—Plain Dial. Size 434 inches square. Wt. each, 114 lbs. Each. \$1.65 Dep't-2 OSO

No. 17—Luminous Dial otherwise same as No. 12. Each ......\$2.25
Dep'1-2
OA7

1 in a box.

#### CLOCKS SHELBY Westclox



Attractive moulded case. 4½ inches high, 5 inches wide. Raised moulded numerals. Bent glass front. Equipped with gong bell. Alarm indicator and shutoff are on the back of the clock. Cushioned underneath. Plain dial only. Weight each, 1½ pounds.

## LELAND Westclox



A sparkling new one day Westclox alarm in glass and chrome. Two tone metal dial with maroon hands and numerals stands out against a field of peach tinted glass. Easy to read. Heavy clear front glass. Die cast base, felt cushioned. Chrome side pillars. A single key winds both the time and alarm. 41/4 inches high. 23/4 inch dial.

#### SLUMBER STOPPER New Haven



Bronze finished, metal case with nickeled bezel. Attractive, white metal dial with bronze color minute track and center disc. 30 hour alarm movement with top shut-off. Height 4½ inches. Width 4 inches. Weight per dozen, 13 lbs.

# JUNIOR TRAVEL CLOCK Made By Ingersoll



Square shaped case 3x3 inches, guaranteed 30 hour movement. Covered in genuine leather, and set in a gilt holder; trimmed with black enameled border design. Colors: Tan or Brown.

x%% discount on two dozen Westclox Clocks and/or Watches, one model or assorted models.  $\Delta\%$  discount on six dozen Westclox clocks and/or watches. Full freight allowed on orders weighing 100 lbs. or more when shipped from factory.

All clocks and watches needing repairs must be sent direct to the factory making them, by customer himself and not to us.

Factory
Western Clock Co.—LaSalle, Ill.

#### COUNTRY CLUB Westclox



Lacquered metal case, black with metal trim. Supported by back foot rest. Attractive dial with two tone effect. Roman numerals-new type window alarm indicator-sweep second hand. Low speed motor, simplified manual starting. Movement rubber mounted. Steady alarm.

No. 814-Country Club. Black finish. Size 4% inches square. Approved cord. Weight each 21/4 lbs. Each .....\$2.50

No. 815-Country Club, Ivory finish, Luminous dial otherwise same as above. Each .....\$3.45 Dep't-2

1 in a box.

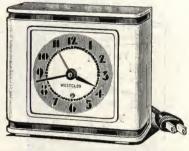
# ANDOVER Westclox

A new manual starting electric time clock, in glass and nickel. For Radio, dresser, mantel or desk. Has silvered two tone metal dial with maroon colored hands and numerals which stand out against a field of blue glass. Height 61/4 inches; dial 41/4 inches.

No. 865-Weight 3% lbs. With 6 ft. rubber cord and plug. Each....\$4.95 VXS Dep't-2

1 in a box.

## ELECTRIC CLOCKS BACHELOR Westclox



Bachelor, a Westclox self starting electric alarm. Height 4¾ inches, width 5¼ inches. The alarm indicator is on the back of clock-felt cushioned underneath to protect polished surfaces. Weight each, 2 pounds.

No. 873-Blue finish, plain dial. Each .....\$3.95

No. 879-Ivory finish, plain dial. Each .....\$3.95

No. 877-Ivory finish, luminous dial. Each ......\$4.95 Dep't-2

1 in a box.

## PITTSFIELD Westclox



Pittsfield, a new self-starting Westclox alarm, handsomely styled in ivory finish and gold color trim. New type current interruption signal shows "red" only when interruption has "red" only when interruption has lasted longer than 2 seconds. Debossed dark brown numerals on an attractive outside band of Plaskon. Gold colored dial, brown hands and brass sweep second hand. Convex glass. Decorative die-cast base. Cushioned underneath. Gong alarm, loud and cheerful in tone, with finger touch shut-off. Height 534 inches.

No. 871—Weight each, 31/4 lbs. Each .....\$5.95 Dep't-2 1 in a box.

BABY BEN Westclox



Baby Ben Electric-self starting. Height 4 inches. Beautiful ivory finish with gold colored trim. Current interruption signal on the dial. Gold 

KAT No. 905-Lum. dial. Each ..... 4.95 1 in a box. Dep't-2 BIG BEN



Big Ben Electric—Self-starting and with Chime Alarm for light or heavy sleepers. First a series of gentle chimes, then an extra loud alarm. Finished in lustrous black with gleaming nickel trim. Current interruption signal shows red only when interruption lasts longer than 2 seconds.

No. 880-Big Ben Electric, Height 51/2 inches. Wt. each, 3 lbs. Each...\$4.95

No. 882-Same as No. 880 but Ivory finish, with Gold color trim. Each .....\$4.95

No. 885—Big Ben Electric. Luminous dial, otherwise same as No. 880. Each .....\$5.95

No. 886-Same as No.-885 but Ivory finish with Gold color trim. Each .....
Dep't-2 1 in a box.

Dep't-2

△% Discount on 6 Westclox electric clocks one model or assorted models. Quantity discount applies only when established quantity is purchased on one order for shipment at one time to one destination. Westclox electric clocks do not assort with spring wound clocks and watches to obtain

quantity discount. All Clocks and Watches needing repairs must be sent direct to the factory making them, by customer himself and not to us.

Factory Western Clock Co.-LaSalle, Ill. 5% Discount on 6 Westclox electric clocks one model or assorted models. Quantity discount applies only when established quantity is purchased on one order for shipment at one time to one destination. Westclox electric clocks do not assort with spring wound clocks and watches to obtain quantity discount.

All Clocks and Watches needing repairs must be sent direct to the factory making them, by customer himself and not to us.

#### Factory

Western Clock Co .- LaSalle, Ill.

## **ELECTRIC CLOCKS**

#### MANOR



Self-starting electric wall clock. Die cast metal case—curved metal dial—polished bezel. Convenient setting knob is easily accessible from front. Large numerals and heavy pointer type hands against ivory tinted background make time telling easy. 7½ inches in diameter. 5¾ inch dial.

No. 807-Ivory Finish.

No. 809-Ivory and Red Finish.

No. 810-Ivory and Green Finish.

No. 811-White.

Weight each, 3% lbs. Each....\$3.50 Dep't-2 XV7

#### BELFAST Westclox



Belfast, a new manual starting electric Westclox wall clock—gracefully styled in square metal case and beautifully lacquered. Belfast has an unusual dial. Black numerals are embossed on a bright metal ring and this feature combines with black hands that stand out against an ivory tinted background to make an especially legible combination. Brass sweep hand. Convex glass. The setting knob and starting lever are both easily accessible from the front. For the kitchen, bathroom, library or wherever a reliable electric clock is needed. Seven inches square, has six inch dial.

No. 833I—Ivory Finish. No. 833R—Red Finish.

No. 833G-Green Finish.

Weight each, 2% lbs. Each .....\$2.95 Dep't-2 XZT



#### THE PARKWAY



The Parkway—ror those who prefer a round Kitchen Clock. An unusual value —good looking, too. 434 inch Dial. Chrome plated bezel. 67% inch diameter. Case colors—Ivory, green, and red. Wt. each, 2½ lbs. Each. \$3.00 Dep't-2 1 in a box. 072

#### THE CATHAY



#### THE FANTASY



A charming, modern alarm. Molded plastic ivory case with  $3\frac{1}{8}$  inch ivory dial. Gold colored metal handspun finished bezel. Black hands, gold color second hand. Movement: slow speed synchronous. An alarm at no extra cost. Size:  $4\frac{1}{3}\frac{5}{2}$  inches width,  $1\frac{2}{3}\frac{5}{2}$  inches deep. Weight each, 2 lbs.

The Fantasy—Each .....\$3.25 Dep't-2 1 in a box. OJA

# ELECTRIC CLOCKS Hammond THE PRUDENCE



## THE GRENADIER



#### THE EDGEMONT



#### THE STEWARDESS



1 in a box.

#### THE MODERN FIREFLY



Moulded plastic in ivory with gold finished stripes and feet. Dial: 3 inch translucent illuminated by tiny bulb in reflector behind dial. Movement: slow speed synchronous. Size: 5½ inches high, 4½ inches wide, 2½ inches deep.

 The Modern Firefly—Wt. each, 2¼

 lbs. Each
 \$4.95

 Dep't-2
 XJT

1 in a box.

All Clocks needing repairs must be sent direct to the factory making them by customer himself and not to us.

#### Factory

The Hammond Instrument Co. 2915 N. Western Ave., Chicago, Ill.

#### THE COURTIER



The Courtier—Simple in design and beautiful because of simplicity. An easel type alarm, faced with carefully selected small figured Butt Walnut and inlays of light wood. Brushed silver plated ring on etched white silver plated field carries black numerals—3½ inch dial. Size—Height, 5% inches, width 4½ inches, depth 2% ins. Wt. each, 2 lbs. Each. \$4.95 Dep't-2

1 in a box.

#### THE HAMPTON



The Hampton—Wall model with minute meter for the modern electric Kitchen or Small Office. Case: Metal. Bright chrome plated and fluted. Dial: 6½ inch metal. Black numerals and hands on clear white background. Has a special fourth hand—the Minute Meter—useful for timing purposes. Movement: Dependable Hammond slow speed. Synchronous. Size: 7% inches in diameter, 2½ inches deep. Weight each, 3 lbs. Each. \$4.95 Dep't-2

1 in a box.

All Clocks needing repairs must be sent direct to the factory making them, by customer himself and not to us.

#### Factory

The Hammond Instrument Co. 2915 N. Western Ave., Chicago, Ill.

# ELECTRIC CLOCKS

#### THE MENTOR



An attractive, new design for living room, library, bedroom, office. Mahogany finish case. Face: four-piece matched genuine sapeli. Black moulded plastic feet. Dial: 3½ inches, silver-plated brass satin finished ring on matte finished background. Gold color metal polished bezel. Black hands, gold colored second hand. Movement: slow speed synchronous. An alarm at no extra cost. Size 4½ ins. high, 6½ ins. wide, 2½ ins. deep. Weight each, 3 lbs.

The Mentor—Each .......\$5.95 Dep't-2 VAT

1 in a box.

#### THE LUNA



An especially distinctive bedroom clock, with the exclusive Hammond soft glow dial. Solid mahogany case. Translucent plastic dial,  $3\frac{1}{6}$  inches, illuminated without glare by tiny bulb. Gold color metal polish finished bezel. Black hands with gold color second hand. Movement: slow speed synchronous. Alarm at no extra cost. Size:  $5\frac{1}{3}\frac{3}{2}$  ins. high,  $5\frac{3}{16}$  ins. wide,  $2\frac{9}{16}$  inches deep. Wt. each,  $2\frac{1}{2}$  lbs.

The Luna—Each ...........\$7.95 Dep't-2 ATS

1 in a box.

#### THE RIVIERA



A superbly graceful design for table and desk. Case: satin finish goldplated. Metal feet, black oxidized aluminum dial 31\(\frac{1}{8}\x5\)\(\frac{5}\x5\)\(\frac{5}\x5\)\(\frac{1}{2}\) inches; gold finished numeral frame. Gold color metal satin finished hands; black second hand with gold color tip. Movement: slow speed synchronous. Alarm at no extra cost. Size: 4\(\frac{1}{2}\)\(\frac{1}{2}\) ins. high, 6\(\frac{5}\)\(\frac{5}\)\(\frac{1}{2}\) inches wide. Wt. each, 2\(\frac{3}{4}\)\(\frac{1}{2}\)

The Riviera—Each ......\$9.75 Dep't-2

1 in a box.



1 in a box.
THE DAYTON



A beautiful mantel clock with automatic calendar. Case, selected striped mahogany veneer. Face: 4-piece matched genuine sapeli with solid mahogany base. Silver plated satin finish, gold-colored numeral frame, 51/8x33/4 inches. Black hands with gold colored second hand. Movement: slow speed synchronous. Size 55/8-in. high, 71%-in. wide, 3 %2-in. deep. Wt. each, 43/4 lbs.

The Dayton—Each ......\$12.50 Dep't-2

1 in a box.

## TRIPOLI Hammond



The Tripoli-This clock combines time, alarm and automatic calendar. Exclusive with Hammond. An ingenious combination. For Library table or Executive's Desk. Case: Selected striped Mahogany veneer with fine Burl finished face. Light strip inlays. Dial: 31/2 inches Metal. Silver plated satin finish two tone effect. Black numerals and hands. Calendar automatically shows day and date. Movement: Dependable Hammond slow speed Synchronous. The alarm and calendar at no extra cost. Size: 51/4 inches high, 61/2 inches wide, 3 inches deep. Weight each, 4 lbs. Each .\$9.95 Dep't-2 TEA

1 in a box.

#### ELECTRIC CLOCKS

#### THE CHANCELLOR Hammond



The Chancellor-Mantel or radio model, beautifully proportioned. The case is faced with center-matched Stump Walnut and the light strip inlays on front and sides add charm. 5-inch Dial with hand-spun silver plated ring on etched white silver plated field. Size—Height 85% inches. width 75% inches, depth 31/4 inches. Weight each, 51/4 lbs. Each ....\$9.95 TEA Dep't-2

1 in a box.

The Pennwood is a self-starting electric clock—operates on 110 volt 60 cycles, A. C. There are no inte mediate parts to wear out. The small synchronous motor is entirely a closed. The complete mechanism or sisting of only eight moving parts the ultimate in efficiency and sin plicity.



No. 810—Commander Walnut (Bake Dep't-2



No. 840-Coral Rose. (Lumarith Gold finish base. Length 6 inche height 35% inches, depth 4 inche Weight each, 21/2 lbs. Each ....\$5. Dep't-2 No. 841-Walnut (Tenite) otherwin same as No. 780. Each .......\$5. Dep't-2 No. 842—Ivory otherwise same No. 780. Each .....\$5. Dep't-2



No. 830—Chieftain. Walnut (Bake lite). Length 734 inches, height, inches, depth 4 inches. Weight ead 2½ lbs. Each .....\$4. Dep't-2

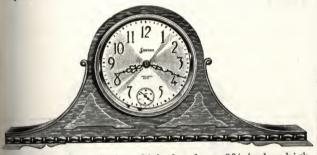
All Clocks needing repairs must b sent direct to the factory making them, by customer himself and m to us.

Factory The Hammond Instrument Co. 2915 N. Western Ave., Chicago, Ill

The Pennwood Co. 7525 Kensington St., Pittsburg, Pa.









No. 322P—21 inches long, 9½ inches high, 6 inch raised numeral dial. Mahogany veneered case with inlay. 8 day pendulum movement strikes the hour on two rods, half hour on single rod. Weight each, 7½ lbs. Each.\$12.70 Dep'1-2

1 in a box.

CLOCKS



1 in a box.



1 in a box.



1 in a box.

All Clocks needing repairs must be sent direct to the factory making them, by customer himself and not to us.

Factory—Session Clock Co.—Forestville, Conn.

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No. 894R—Diameter, 15¼ inches. 14 inch round dial. Whitewood finished in a rich mahogany color. 8 day pendulum movement. Weight each, 7¼ lbs. Each..\$15.50 Dep't-2

1 in a box.



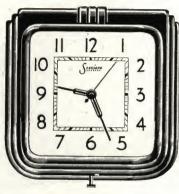
No. 351W—14¼ inch square metal case bronze finish. 12 inch silver lithographed metal dial with black and gilt lacquered numerals. Self-starting electric time movement. Weight each, 7 pounds. Each ............\$8.30 Dep't-2

1 in a box.



1 in a box.

CLOCKS Sessions



Size 7x7½ inches. 5 inch square metal dial. Plastic molded case. Self-starting time movement. Weight each 2 pounds.

No. 386WI—Ivory. Each	XSZ	\$4.40
No. 386WG—Green. Each	XSZ	4.40
No. 386WR—Red. Each	XSZ	4.40
No. 386WW—White. Each	XSZ	4.40
Dep't-2		

1 in a box.



Wall clock. 7½ inches high, 7 inches wide with 5 inc dial. Plastic moulded case. Self starting electric time movement. Weight each, 2 pounds.

No.	287WI—Ivory. Each	XZA	\$4.10
No.	287WG—Green. Each	XZΔ	4.10
No.	287WR—Red. Each	XZΔ	4.10
No.	287WW—White. Each	XZA	4.10
Dep			
	1 in a hox		

Same as above except 8-day lever time movement.

Same as above except 8-day lever time	movemen	t.
No. 287LI—Ivory. Each	XZA	\$4.10
No. 287LG—Green. Each	XZA	4.10
No. 287LR—Red. Each	XZA	4.10
No. 287L—White. Each	XZA	4.10
Dep't-2		

1 in a box.

All Clocks needing repairs must be sent direct to the factory making them, by customer himself and not to us.

Factory—Session Clock Co.—Forestville, Conn.

#### SAFETY RAZORS

#### ROLLS RAZOR

This is the finest safety razor on the market today regardess of price. It has many marked advantages over the usual ype of safety razor. It is compact complete and its first cost is the last, for the One Safety Blade of a Rolls Razor is tooled from the finest of Sheffield steel, hollow ground the same as a traight razor and, properly handled, will give a lifetime of perect shaves. It is an ideal number to sell for it makes friends and makes money for the dealer.

#### Imperial No. 2 Rolls Razor



The equal in every shaving particular to No. 1, the only difference being that this No. 2 model is nickel plated, does not have the telescopic handle and is packed in a cardboard container

No. 2—Each .....\$12.50

#### ACCESSORIES





## SAFETY RAZORS GILLETTE

#### GILLETTE TECH RAZOR



No. 79-Gillette Gold Tech Razor and 5 Blades. The new Gold Tech will take the spotlight in Gillette's newest razor set. Heavily plated in 24K gold, perfectly balanced and packed in a handsome tweed-grain permanent traveling case, this razor is certain to "go". Weight per dozen, 31/4 lbs. Per dozen sets......\$9.48 Per dozen sets ......\$9.48

No. 79-1-Same. Per set ..... .79 1 dozen to a carton.

## GILLETTE TECH RAZOR Chrome Plated



A real money maker for you to sell at only 49c. Complete with 5 Gillette Blue Blades.

- 4 Vital Shaving Improvements Backed by powerful advertising.
- 1. New Non-clogging slotted construction.
- Skid-Proof, never side slips, no skin nicks.
- New solid guard bar smooths skin ahead of the shaving edge, for comfort.
- 4. Holds the blade like a vise. The edges can't vibrate. Packed—New TECH Razor and five

Gillette Blue Blades in neat box. Weight per carton, 3 lbs.

No. 049—Per carton .....\$4.90 10 sets in a display carton. No. 149—Per set .....

RAZOR

No. 25C-Gillette Chrome Tech Razor with one blue blade. Four features-Blade rigidly held; No clogging; Tread prevents skin nicks; Comfort with solid bar guard. Packed one set in paper box. Retail \$0.25 per set. Wt. per card, 17/8 lbs. Per card....\$2.50

10 sets to a card.

No. 25C-1—Same. Per set ..... .25

## VALET STREAMLINE RUNNER GUARD RAZOR SET

Auto-Strop



No. 56-The only razor that does not require removal of blade for stropping and cleaning. The Runner guard smoothes the skin just ahead of the blade. Razor complete with a selected strop and five valet blades. Each set packed in box. Weight per display container, 2% lbs. Per doz. \$9.48

6 sets to a display container.

Minneapolis Is Your Best

Market.

Mail Orders Receive Prompt Attention.

#### SAFETY RAZORS

## SHAVING SET Gem



A smart, new set which contains chromium plated Gem Micromatic Razor in handsome plastic case (choice of colors); 2 Gem Micromatic Blades; Ever-Ready Shaving Brush with plastic handle and ferrule and drying stand—all in colors that match razor case.

## STAR SAFETY RAZOR SET



#### **ENDERS**



Enders "Speed" Razor Set. Assorted colored cases. Razors with assorted colored composition handles. Razor with five blades in steel case.

Enders "Speed" Razor Set—Weight per dozen, 3% lbs. Per dozen..\$6.00 12 set to a carton.

SEGAL



No. 495—Segal one-piece Razor Set. The Segal perfect balance—Natural angle one piece razor is chromium plated, rust and tarnish resisting. Simple to operate—twist knob at end of handle to open or close. Don't force to close tight. Packed one razor and five Segal blades in an attractive hinged box. Weight per dozen sets, 234 lbs. Per dozen sets ......\$5.88

#### RAZOR SET



Gem Clog-pruf Razor and 5 Gem Micromatic Blades. Handsome metal case finished to simulate grain leather, with velvet and white satin lining. Choice of colors, green, wine or blue. Individually cartoned, cellophane wrapped.



#### ELECTRIC SOLDERING IRONS

#### VASCO

All Vasco Irons carry Underwriters Approval and are guaranteed for one year against faulty workmanship and defective materials.

#### Outstanding VASCO Features

- An efficient, well-balanced, streamlined design; no unnecessary bulk.
- The VASCO radiator bushing (patented) keeps handle cool.
- Non-oxide copper tip, of plunger type—for efficient heating.
- Chromed steel core heating element, wound with Nichrome V ribbon.
- Insulated with superior grade Amber mica, checked for thickness.
- Compression wound iron wire covering protects the element.
- A compact, efficient terminal connection and strain relief.
- Approved by Underwriters' Laboratories, and tested in our own factory with 1000 volt breakdown test as final check.
- Equipped with 6 foot 10,000 Cycle Approved Cord and Plug.



No. 85—A brand new iron in the VASCO line for high speed soldering on wiring and other light electrical work. Furnished with % Diamond Shape Copper Tip. Shipping weight 2 pounds. Each \$5.50

#### No. 100 Draws 100 Watts

#### No. 150 Draws 130 Watts

No. 150—A medium weight iron for chassis spotting, radio work, small metal parts. Provides the extra heat needed for many jobs. Furnished with ½ inch Diamond Shape Copper Tip. Shipping Weight 2 lbs. Each .....\$7.50

#### No. 180 Draws 200 Watts

No. 180—An excellent iron for general shop and garage use. Large enough for light sheet metal work, and auto electricians. Furnished with % inch Diamond Shape Copper Tip. Shipping weight 3 lbs. Each



No. 300 Draws 300 Watts

No. 300—Used extensively for sheet metal work, small motor factories, general service and production work. Furnished with % inch Chisel Point Copper Tip. Shipping weight 4 pounds.

#### No. 500 Draws 500 Watts

#### ELECTRIC SOLDERING IRONS

Vasco Challenger



The CHALLENGER line of irons are of good quality recommended for light duty suitable for the occasions user. Underwriter approved.

# HOTSPOT ELECTRIC SOLDERING IRONS Underwriters Approved

Vasco Hotspot Irons are the finest popular priced iron on the American market. All Hotspot irons are furnished with the New Bakelite handle, which incorporates terminal connector, strain relief, and handle all in one. The bakelite handle is made in two parts and can be quickly taked apart for cord or other repairs if needed. All Irons Chromium finished.



No. 10—100 watts. %-inch Tip. Equipped with heat dissipating fins to keep the handle cool. An ideal iron for radio assembly and other light soldering. Plunger tip completely surrounded by element, thereby utilizing maximum heat. Weight each, 1 pound. Each ............\$3.8



#### TWO TIP ELECTRIC SOLDERING IRON Underwriters Approved



Peerless Electric Soldering Irons are a quality product in every espect. Peerless copper tips are unusually large and heavy and the elements are constructed of NICHROME V wire with genune nickel lead wires both inclosed in Ceramic high temperature tubes. All peerless Irons are fully guaranteed.

Size large copper tip 34 x21/2 inches. Radio copper tip size, length overall, 121/2 inches. Furnished with 5 feet approved cord with rubber plug.

No. 675-3—Two-tip soldering iron. 75 Watts for 110 volt A.C. or D.C. 1 to a carton. Wt. each, 34 lb. Each. . \$2.00 No. 675-1—Same as above excepting not supplied with Radio tip. Each ...

One in carton.

#### PEERLESS DIAMOND



Ideal Iron for medium heavy duty soldering. Equipped with inch diameter shaped replaceable tip, 3000 cycle Underwriters approved rubber cord and rubber attachment plug. Genuine nichrome wire heating element encased in porcelain. The tubing is nickel plated and the generous sized handle is varnished and natural finished. Guaranteed one year against defective workmanship and material.

No. D6100-100 watt. Weight each, 1 lb. Each.....\$1.50 Packed one in individual carton.

#### ELECTRIC SOLDERING IRON

#### Peerless



The demand for electric soldering irons is definitely in the popular price field. While Peerless Electric Soldering Irons are designed for that particular field, they are a quality product in every respect. The extra large copper tips and general design cause the heat to be definitely confined to the tip. This construction makes for greater efficiency, longer life and, of course, a cool handle. The nichrome V heating element wire is hemetically sealed thereby guarding against oxidation or corrosion. Underwriters approved.

No. 6150-150 Watts. For general heavy duty work. Size tip 11/8x3 inches. One to a carton. Weight 13/4 pounds.

No. 6200—200 Watts. For extra heavy duty or industrial work. Size tip 1½x3 inches. Weight 2 lbs. Each... \$6.25

\*

AT YOUR SERVICE

Our knowledge and experience

ways at your command, and a

from you at any time will bri

in solving your problems. Our knowledge and experience is al-

ways at your command, and a word

from you at any time will bring aid

# POLYPHASE SQUIRREL CAGE INDUCTION MOTORS PEERLESS

TWO OR THREE PHASE 220-440-550 Volts—60 Cycles—Be Sure To Specify Voltage WELL PROTECTED FRAMES—WELDED ROTORS



Unconditionally Guaranteed against mechanical or electrical defects and to deliver full rating in accordance with N. E. M. A. standards. Illustration shows large oil wells and heavy ventilation screen protecting internal parts from dirt. Windings are given special treatment to increase insulating qualities and for protection against moisture. Use these motors for driving pumps compressors, lathes, presses or any other motor-driven machinery where two or three phae power is available. Prices are given below for motors with large oil grooved bearings.

#### CONTINUOUS DUTY-60 CYCLES-40° CENTIGRADE

Numbers H. P.	7555 1	7558 1½	<b>7561</b>	7564	7567	7570 732
Speed Frame	1750 P204	1750	1750	1750	1750	1750
Diameter pulley, inches	3	P244 4	PA225 4	P225 4	P254 5	P36 5
Size Pulley face, inches Shaft daimeter, inches	3 3/4	3½ 1	3½ 1	31/2	4½ 1½	41/2
Shipping weight, pounds	\$0 \$35.00	128 \$42.00	135 \$49.00	157 \$55.00	170	300
Additional For Slide Base	5.00	5.00	5.00 2.50	5.00 2.50	\$67.00 6.00 3.00	\$88.00 6.00 3.00

\*With Ball Bearing in place of Sleeve Bearing.

#### MARATHON MOTORS



Split Phase Motors

Split Phase motors suitable for washing machines, home workshop tools and similar applications where the starting load is light.

		H.P.	60 Cycle Size Shaft	Type Bearing	R.P.M.	Wt., Lbs.	List Each
No.	2131	1/4	1/2	Bronze	1725	26	\$9.80
No.	1066	1/3	1/2	Bronze	1725	29	12.50
No.	1068	1/2	1/2	Bronze	1725	35	21.00
At	ove pric	ed less	Cord and	Plug.		-	
A	dd \$0.50	list for	10 foot r	ubber cor	d and plug		

#### CREAM SEPARATOR MOTORS

Cream Separator motors are similar to the regular split phase motors, with the exception that they have a heavier starting winding to eliminate motor burn-out due to long starting period involved in bringing up to speed a cream separator.

			Size	Type		Weight	List
No.	130	H.P.	Shaft 1/2	Bearing Bronze	R.P.M. 1725	Lbs. 29	Each \$12.00

#### GENERAL MOTOR INFORMATION

#### SPLIT PHASE MOTOR

A split phase motor has a starting winding made up of very small wire which is only in the circuit up to 34 of its full speed at which time a centrifugal switch throws out and disconnects the starting winding. If the load is so heavy that the switch will not open up leaving the starting winding in the circuit for 30 seconds, it will burn out. The same is true if the load is too heavy after motor has started, slowing the motor down enough to throw the starting winding back into the circuit. Therefore, the split phase motor is only good where there is a light starting load.

## REPULSION-START INDUCTION-RUN

A motor which will start under a rather heavy load, as a repulsion motor, and at a predetermined speed a centrifugal switch short circuits the commutator and the motor runs as an induction motor. This motor may be used on automatic devices which must start and stop frequently; also on heavy loads as pumps, lifts, machine tools, compressors and farm machinery.

#### THREE PHASE MOTORS

The three phase type motor is the most simple type manufactured and should be used in preference to single phase on all motors ¼ H.P. and above whene there is three phase current available. This motor uses no switches, commutators, brushes, starting windings and short circuiting devices, which eliminates possibilities of the motor becoming defective. It is by far the most efficient and the most trouble-free in the long run and is used on any type of load.

#### SIZE OF LEADS

It is extremely important that the proper size of wire be used from main line switch box to motor terminals on both 110 or 220 volt motors.

Too small a wire causes a drop in the amount of voltage across the motor resulting in a reduction of power output, lower speed or complete failure to start.

# TABLE OF PROPER WIRE SIZE For 110-120 Volt Circuits

Motor	Distance—	Motor to Fuse	or Meter B	ox—reet
HP	100	200	300	500
1/4	No. 14 wire	No. 10 wire	No. 8 wire	No. 6 wire
1/3	No. 12 wire	No. 10 wire	No. 6 wire	No. 4 wire
1/2	No. 10 wire	No. 8 wire	No. 6 wire	No. 4 wire
3/4	No. 10 wire	No. 6 wire	No. 4 wire	No. 2 wire
1	No. 8 wire	No. 6 wire	No. 4 wire	
11/2	No. 4 wire	No. 0 wire		

## FOR 220-230 VOLT CIRCUITS

Motor	Distance-	-Motor to Fu	se or Meter B	ox—Feet
HP	100	200	300	500
1/4	No. 14 wire	No. 12 wire	No. 10 wire	No. 6 wire
1/3	No. 14 wire	No. 12 wire	No. 10 wire	No. 8 wire
1/2	No. 12 wire	No. 10 wire	No. 8 wire	No. 6 wire
3/4	No. 12 wire	No. 10 wire	No. 8 wire	No. 6 wire
1	No. 10 wire	No. 8 wire	No. 6 wire	No. 4 wire
11/2	No. 10 wire	No. 8 wire	No. 6 wire	No. 4 wire
2	No. 8 wire	No. 6 wire	No. 4 wire	No. 2 wire
3	No. 8 wire	No. 6 wire	No. 4 wire	N.o 2 wire
5	No. 6 wire	No. 4 wire	No. 2 wire	No. 0 wire

## REPULSION INDUCTION MOTORS Peerless

SINGLE PHASE-110 OR 220 VOLTS (Interchangeable) High Starting Torque-Heavy Duty-Large Overload Capacity



1/8-% H. P.

These motors are recommended for tough jobs-driving pumps, compressors, machinery of all kinds. Nationally known manufacturers are supplying Peerless motors with their stokers, presses, blowers and a long list of other equipment because they give satisfaction where others have failed. You take no chances in buying Peerless. They are fully guaranteed against defective workmanship and materials. They give satisfaction.

## PRICES FOR 60 CYCLE MOTORS-110-220 VOLTS-OTHER PRICES UPON REQUEST

Horse Power	3514	3517	3520	3523	3524
Speed	1/4	1/3	1/2	3/4	1
Speed	1750	1750	1750	1750	1750
Frame	H10	H12A	H16B	H202	H204
Diameter of Pulley, inches	2.	2	3	3	3
width of Pulley Face, inches	13/4	21/2	21/2	21/2	2
Shart Diameter, Inches	5/8	5/8	3/4	3/4	3/4
Shipping Weight, polinds	35	45	65	78	
Motor Prices with sleeve bearing (less base or nulley	\$11.90	\$17.45			100
Additional for Slide base	1.50		\$22.50	\$29.50	\$37.00
Additional for Flat Face Pulleys		1.50	2.00	2.00	5.00
	.90	.90	2.00	2.00	2.00
Motors Listed Above Are Brush Riding Type]					

## Motors Listed Below Are Brush Lifting Type Both Unconditionally Guaranteed

Numbers	5532	5536	- 5540	5542
H. P.	11/2	2	3	5
Speed	1750	1750	1750	1750
Frame	R224	RA225	R225	R254
Diameter pulley, inches	4	4	4	5
Size pulley face, inches	$3\frac{1}{2}$	31/2	31/2	41/2
Shaft Diameter, inches	1	1	1	11/4
Shipping weight, pounds	149	160	175	340
Motor Frices with sleeve pearing (less base or nulley	\$49.00	\$64.00	\$82.00	\$120.00
Additional for Slide Base	5.00	5.00	5.00	6.00
Additional for Flat Face Pulleys	2.50	2.50	2.50	3.00

Frames 202 to 225 inclusive have N. E. M. A. Standardized Mounting Dimensions.

#### FEATURES

- 1. Interconnectable for 110 or 220 volts.
- 2. Direction of rotation easily changed.
- 3. Quiet-running. Well balanced.
- 4. High starting torque—low starting current.
- 5. Rugged, short-circuiting device that will last the lifetime of the motor.
- ¼ to ¾ H. P. brush riding type; oil filtering, wool packed bearings. 1 HP and over are brush-lifting type; ring-oiled bearings.
- 7. Large condulet box for terminal connection.
- Frame designs that best protect the windings and internal parts from dirt and moisture.
   Motors % HP and larger have N. E. M. A. standard-
- ized mounting dimensions.

#### WOOD ACCESSORIES

Congress



DIAMOND BORED + .0005

BALANCED
FITS THE BELT
IMMEDIATE DELIVERY
GRAY PAINT FINISH
INDIVIDUALLY BOXED

#### KEYWAY DATA

Pulleys under 3" diameter are without keyways. Pulleys from 3" to 14" diameter have keyways except  $\frac{3}{8}$  and  $\frac{1}{2}$  bores.  $\frac{5}{8}$ ,  $\frac{3}{4}$ ,  $\frac{7}{8}$  bore— $\frac{7}{16}$  x  $\frac{3}{32}$  K. W. 1,  $\frac{1}{8}$ ,  $\frac{1}{36}$ ,  $\frac{1}{4}$  bore— $\frac{1}{4}$ x  $\frac{1}{8}$  k.w.  $\frac{1}{3}$ ,  $\frac{1}{4}$  bore— $\frac{3}{8}$  x  $\frac{7}{16}$  K. W.

## "A" TYPE V GROOVED PULLEYS FOR "A" BELTS ONLY

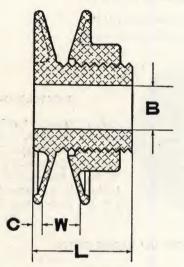
DIAM	ETER	3	V					STOCK	BORE	S MA	RKED	"X"				DIN	MENSI	ONS		
Outside	Pitch "A"	List Price	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	11/8"	13/16"	11/4"	1 3/8"	1 1/2"	L	G	С	No. Spokes	Wt. Lbs.
1 ½ 2 2 ¼ 2 ½ 2 ½ 2 ¾	1.9 2.1 2.4 2.7	\$ .45 .55 .65 .70	x x	x x x x	x x x x	x x x x	x x x x	x x x x								15/16 15/16 18/16 18/16 18/16	19/22 19/22 28/22 28/22 28/22	9 16 9 16 9 16 9 16 9 16	None None None None None	.15 .25 .30 .35 .40
3 31/4	2.9 3.1	.85			x x	x x	x x	x								$1\frac{3}{64}$ $1\frac{3}{64}$ $1\frac{3}{64}$ $1\frac{3}{64}$	23/ <sub>32</sub> 23/ <sub>52</sub> 23/ <sub>52</sub> 23/ <sub>52</sub>	9 16 9 16 9 16 9 16	None None None None	.45 .45 .50
3½ 3¾	3.3	1.00			x x	x x	x x	x x								13/64 13/64 13/64 13/64	23/32 23/32 23/32 23/32 23/32	9 16 9 16 9 16 9 16	None None None None	.55 .55 .60
4 4 1/4	3.8 4.1	1.15			x	x	x x	x x								1364 1364 1332 1332	23/ <sub>52</sub> 23/ <sub>52</sub> 3/ <sub>4</sub> 3/ <sub>4</sub>	9 16 9 16 9 16 9 16	None None 4 4	.65 .65 .70 .70
4 1/2	4.3	1.35			x x	x x	x x	x							3	18/2 18/2 18/2 18/2	3/4 3/4 3/4 3/4	9 16 9 16 9 16	4 4 4 4	.75 .75 .80 .80
5 5 1/4 5 1/2 6	4.8 5.0 5.2 5.8	1.50 1.65 1.75 1.95			x x x	x x x	x x x x	x x x x	x x x x	x x x x	x	x	x			1 ½8 1 ½8 1 ½8 1 ½8 1 ½8	3/4 3/4 3/4 3/4	9 16 9 16 9 16 9 16	4 4 4 4	.85 .90 .95 1.30
7 8 9 10	6.8 7.7 8.7 9.7	2.50 2.90 3.60 4.25			x x x	x x x x			$\begin{array}{c} 13_{16} \\ 15_{16} \\ 15_{16} \\ 15_{16} \\ 15_{16} \end{array}$	3/4 3/4 3/4 3/4	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	5 6 6 6	1.60 2.10 2.50 3.00							
12 14	11.6 13.5	5.60 7.00				x x	x x	x x	1 ½ 1 ½	3/4 3/4	5/8 5/8	6 6	3.90 4.80							

These pulleys may be secured for B type or 5% inch belt by adding the prefix "B".

## WOOD ACCESSORIES

## Congress

VARIABLE PITCH PULLEYS FOR "A" AND "B" BELTS



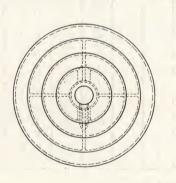


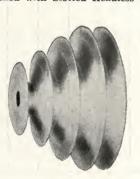
Hollow headless set screws furnished. Speed variations up to 30%.

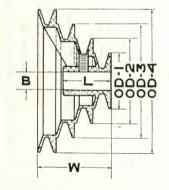
				IIN. ANI	D MAX.	PITCH I	IAMETI	ERS			1	DIMENS	IONS	
		1 (	"A" E	BELTS	1	1 5	"B" E	BELTS	1		A		BORE SIZES	
Outside Diameter	List Price	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min.	Max.	L	В	W
3 ½ 3 ½ 4 4 ½	\$2.50 2.75 3.00 3.25	2.0 2.3 2.8 3.3	5 5 5	3.0 3.3 3.8 4.3	0 0 0	2.05 2.3 2.9 3.4	6 6	3.1 3.4 3.9 4.4	1 1 1	1/2	7/8	2 ½ 2 ½ 2 ½ 2 ½ 2 ½	1/2, 5/8, 3/4 1/2, 5/8, 3/4 1/2, 5/8, 3/4 1/2, 5/8, 3/4	1 1 2 2

#### "V" STEP CONE PULLEYS

No Keyways Furnished
Pulleys Furnished with Slotted Headless Set Screws.







	List		OUTSIDE	DIAMETER		BORE SIZE	HUE	DIA. H.	Overall	
Size	Price	$D_x$	D <sub>2</sub>	$D_3$	$D_4$	В	Small	Large	Length L	Wt. Lbs.
3'—2 Step 4'—3 Step 5'—3 Step	\$ .90 1.40 2.40	2 2 3	3 3 4	4 5		1/2 5/8 1/2 5/8 3/4 1/2 5/8 3/4 1*	15/16 1 1/8 1 1/8	1 5/8	1 3/4 1 111/16	.5 1.0 1.8
5'—4 Step 6'—4 Step	2.50 3.85	2 3	3 4	4 5	5 6	1/2 5/8 3/4 1* Small Hub Large Hub*	1 1/8	1 5/8	2 %8 25/16	1.7 2.7

#### "V" GROOVED PULLEYS



A complete assortment of 24 grooved "A" Pulleys, in 12 popular sizes ranging in diameter from 1½-inch up to and including 5-inch. All pulleys for standard ½-inch V Belts.

Board is finished in red-black and white. Has storage space in rear for any additional sizes needed.

This display measures 14-inches long by 13-inches wide by 16-inches high including the Display Sign.

No. 24C—Per Assortment \$10.52

## RENEWALS FOR PULLEY KITS

Chicago

SINGLE GROOVED PULLEYS



#### KEYWAY DATA

Bores of 56-34 and 1/8 inch have \(^18 \times \text{3.32} \) in. K. W. Bores larger than 1/8 inch have \(^14 \times \text{1.48} \) in. K. W. All pulleys from 3 inches up to 8 inches have keyways except in 3/8 and 1/2 inch bores.

Pulleys under 3 inches have no keyways.

"A"—Belt Drives for 1/2 and 11 inch belts.

No. of	D Out- side Diam.	P. D. Pitch	List Price	-3/8"	1/2"		B	Diam. o	of Bore	11.	11/8"	13/16"	11/4"	A	С	E	F	No. of Spokes	Net Weight
Pulley	Diam.	Diam.	Price		. *	5/8"	%	/8	15/16	1	178		1 .						
120 127 121 123 106 124 108 126 122 109	1½" 1¾" 2" 2¼" 2½" 3¾ 3" 3½" 4"	11/8" 13/8" 15/8" 21/8" 23/8" 25/8" 27/8" 31/8" 35/8"	\$0.33 .36 .42 .45 .47 .52 .60 .63 .69 .75 .87 .90 1.20 1.50	* * * *	* * * * * * * * * * * *	* * * * * * * * * *	****			* * * *				11/6" 11/8" 11/8" 11/8" 11/8" 11/8" 11/4" 11/4" 11/4" 11/6" 15/8" 15/8"	12" 12" 12" 12" 12" 12" 12" 12" 12" 12"	1 ½ " 15/16" 15/16" 1 3/8"	1 ½ - 1 ½ ″ 1 ½ ″ 1 ½ ″ 1 ½ ″ 1 ½ ″ 1 3/8 ″	4 4 5	2½ oz. 3½ oz. 5 oz. 5½ oz. 5¾ oz. 7½ oz. 10 oz. 10½ oz. 12 oz. 13½ oz. 15½ oz. 14½ oz. 14½ oz. 1 lb. 2 oz. 1 lb. 9 oz.
1009	9" 1 <b>0</b> "	85/8 95/8	2.20		*	*	*			*								6	

#### RENEWALS FOR PULLEY KITS

## Chicago

#### FLANGED PULLEYS



#### Furnished with Slotted Headless Set Screws

No. of Pulley	D Running Diam.	F Width Face	List Price	B—D	Diam. of	Bore 3/4"		Length of Bore	A Width Pulley	C Outside Diam.	Net Weight
205 206 207 208 209	1½" 1¾" 2¼" 2¾" 3¼"	1½" 1¼" 1¼" 1¼" 1¼" 1½"	\$0.36 .46 .62 .94 1.10	* * *	* * * * *	*	NO KEYWAYS ON BORESLISTED	1" 1" 1½" 1½" 1½" 15/16"	134" 1½" 1½" 1½" 1½" 196"	1 <sup>13</sup> / <sub>16</sub> " 2 <sup>1</sup> / <sub>8</sub> " 2 <sup>11</sup> / <sub>16</sub> " 3 <sup>3</sup> / <sub>16</sub> " 4"	4½ ozs. 6 ozs. 9 ozs. 13½ ozs. 1 lb. 1 oz.

#### CROWN FACE PULLEYS



Nos. 304 and 305—½" Bore No Keyways.

No. 305—5%" Rore No Keyway.
½" Bore—½\*x½" K. W.
5%, ¾, ¾" bore—½\*x¾½" K. W.

Bores larger than ¾"—¼x¼%" K. W.

#### Furnished with Slotted Headless Set Screws

No.	D Outside	F Width	List			-	В—Г	iam. of	Bore				H Length	A Hub	Net
Pulley	Diam.	of Face	Price	1/2"	5/8"	3/4"	7/8"	15/16"	1"	11/8"	13/16"	11/4"	of Bore	Diam.	Weight
305 306 304 307 309 308 310 311	2" 2½" 3" 3" 3, 3, 3, 3, 4"	2" 2½" 2½" 2½" 3" 2½" 3" 3½"	\$0.54 .76 .80 .92 1.10 1.25 1.60 1.80	* * * * * * * *	* * * * * * * *	* * * * * * *	* * *	*	* * *	*	*	*	11/4" 13/4" 11/2" 13/4" 21/4" 21/4" 21/4"		10 ozs. 1 lb. 1 oz. 14 ozs. 1 lb. 2 oz. 1 lb. 6 oz. 1 lb. 5 oz. 1 lb. 10 oz. 2 lb. 7 oz.

NOTE: Dimensions for hub diameters are taken from the largest size bore for each pulley listed

#### ROCKWOOD STEEL SHEAVES

## For Fractional Horsepower Single V-Belt Drives

**BORES**—Sheaves are carried in stock with fixed bores as **KEYWAYS** for bore shown.

For stock bushings available see table page 1790A.

Prices for other bores quoted on request.

**KEYWAYS** for bore  $\frac{36}{12}$  and  $\frac{1}{2}$ -inch ... NONE  $\frac{56}{18}$ ,  $\frac{3}{14}$  and  $\frac{7}{8}$ -inch ...  $\frac{3}{16}$ " $x\frac{3}{8}$ "  $\frac{3}{18}$ " to  $\frac{11}{4}$ -inch Inc. ...  $\frac{1}{4}$ " $x\frac{1}{8}$ "  $\frac{3}{12}$ " and  $\frac{1}{16}$ -inch ...  $\frac{3}{8}$ " $x\frac{3}{18}$ "

SET SCREWS—Headless—one to each sheave.

#### BAR STOCK AND PRESSED STEEL SHEAVES FOR "A" BELTS ONLY.

DIAME	ETER						PA	ART N	UMBEI	RS						DIN	MENSIO	NS	
Nominal	Pitch	List					S	TOCK	BORE	S							1		Wt.
Outside	"A"	Price	3/8"	1/2"	5/8"	3/4"	7/8"	15/16	1"	11/8"	1 3/16"	11/4"	1 3/8"	17/16"	F	L	P	С	Lbs.
1.5° 1.75 2.0 2.1	1.25* 1.5 1.8 1.9	\$ .60 .70 .75 .75	7000 7004 7010 7016	7001 7005 7011 7017	7006 7012 7018	7007 7013 7019									5/8 5/8 5/8 5/8	1" 1 1 1	3/8 3/8 3/8 3/8		.2 .3 .4 .4
2.2 2.3 2.6 2.8	2.0 -2.1 2.4 2.6	.75 .75 .85 .90	7022 7028	7023 7029 7035 7041	7024 7030 7036 7042	7025 7031 7037 7043									5/8 5/8 5/8 5/8	1 1 1	3/8 3/8 3/8 3/8		.5 .6 .7 .8
3.0 3.2 3.4 3.9	2.8 3.0 3.2 3.5	1.00 1.05 1.15 1.25		7047 7055 7063 7071	7048 7056 7064 7072	7049 7057 7065 7073									21/32 21/32 21/32 21/32	1 3 16 1 3 16 1 3 16 1 3 16	11/16 11/16 11/16 11/16	5/52** 5/52 . 5/52 . 5/52	.7 .8 .9 1.1
4.4 4.9 5.4 6.4	4.0 4.5 5.0 6.0	1.30 1.40 1.55 1.70		7080 7095 7110 7125	7081 7096 7111 7126	7082 7097 7112 7127	7083 7098 7113 7128		7085 7100 7115 7130						27 32 27 32 27 32 27 32 27 32	1 3 16 1 3 16 1 3 16 1 3 16	5/8 5/8 5/8 5/8	9/52 9/52 9/52 9/52	1.0 1.2 -1.4 1.9
7.4 8.4 9.4 10.4	7.0 8.0 9.0 10.0	2.25 2.55 2.80 3.10		7140 7155 7170 7185	7141 7156 7171 7186	7142 7157 7172 7187	7143 7158 7173 7188	7159 7174 7189	7145 7160 7175 7190	7161 7176 7191	7162 7177 7192	7163 7178 7193	7164 7179 7194	7165 7180 7195	27 32 15 16 15 16 15 16	$\begin{array}{c} 1_{3/6} \\ 1_{3/6} \\ \star \\ 1_{3/6} \\ \star \\ 1_{3/6} \\ \star \end{array}$	5/8 5/8 ★ 5/8 ★	<sup>9</sup> / <sub>32</sub> ★ <sup>3</sup> / <sub>8</sub> ★ <sup>3</sup> / <sub>8</sub> ★	2.2 2.5 3.0 3.7
11.4 12.4	11.0 12.0	3.60 4.10		7200 7215	7201 7216	7202 7217	7203 7218	7204 7219	7205 7220	7206 7221	7207 7222	7208 7223	7209 7224	7210 7225	15/16 15/16	1 <sup>3</sup> / <sub>16</sub> ★ 1 <sup>3</sup> / <sub>16</sub> ★	5/8★ 5/8★	3/8 ★ 3/8 ★	4.6 5.0

 $<sup>\</sup>star L = 1\%$ ,  $P = \frac{3}{4}$ ,  $C = \frac{1}{8}$  for  $1\frac{1}{8}$  Bore and Larger.

## BAR STOCK AND PRESSED STEEL SHEAVES FOR "A" OR "B" BELTS-COMBINATION GROOVE

								1											
DIA	METE	R						PART	NUM	BERS						DIN	MENSIO	NS	
>	This at	Dia -1	Y 1-4					STO	СК ВС	RES									Wt.
Nominal Outside	Pitch "A"	Pitch "B"	List Price	1/2"	5/8"	3/4"	7/8"	15/16	- 1"_	11/8"	13/16"	11/4"	1 3/8"	17/16"	F	L	P	С	Lbs.
2.4" 2.5 2.6 2.7	1.8" 1.9 2.0 2.1	2.2" 2.3 2.4 2.5	\$1.00 1.10 1.15 1.20	240 250 260 270	241 251 261 271	242 252 262 272									3/4 3/4 3/4 3/4	1 <sup>3</sup> / <sub>16</sub> " 1 <sup>3</sup> / <sub>16</sub> 1 <sup>3</sup> / <sub>16</sub>	7/16 7/16 7/16 7/16		.7 .8 .8
3.0 3.2 3.4 3.6	2.4 2.6 2.8 3.0	2.8 3.0 3.2 3.4	1.25 1.35 1.40 1.45	300 320 340 360	301 321 341 361	302 322 342 362									1 1/16 1 1/16 1 1/16 1 1/16	1 3 16 1 3 16 1 3 16 1 3 16	1/2	3/8/88/88/88	.6 .7 .8
4.0 4.5 5.0 5.5	3.2 3.5 4.0 4.5	3.6 3.9 4.4 4.9	1.50 1.60 1.70 1.70	403 453 503 553	404 454 504 554	400 450 500 550	401 451 501 551		402 452 502 552						1 ½8 1 ½8 1 ½8 1 ½8	13/6 13/6 13/6 13/6	7/16 7/16 7/16 7/16	3/80/80/80/80	1.1 1.3 1.5
6.0 7.0 8.0 9.0	5.0 6.0 7.0 8.0	5.4 6.4 7.4 8.4	1.80 2.40 2.75 3.00	603 703 803 903	604 704 804 904	600 700 800 900	601 701 801 901	805 905	602 702 802 902	808 908	806 906	-809 909	810 910	807 907	1 ½8 1 ½8 1 ½8 1 ½8	$\begin{array}{c} 1^{3}_{16} \\ 1^{3}_{16} \\ 1^{3}_{16} \\ 1^{3}_{16} \\ \end{array}$	- 7/16 7/16 ★ 7/16 ★	3/8 3/8 3/8 3/8	1.6 2.0 2.4 2.8
10.0 11.0 13.0 16.0 19.0	9.0 10.0 12.0 15.0 18.0	9.4 10.4 12.4 15.4 18.4	3.35 3.80 5.00 6.50 7.70	1003 1103 1303 1603 1903	1004 1104 1304 1604 1904	1000 1100 1300 1600 1900	1001 1101 1301 1601 1901	1005 1105 1305 1605 1905	1002 1102 1302 1602 1902	1008 1108 1308 1608 1908	1006 1106 1306 1606 1906	1009 1109 1309 1609 1909	1010 1110 1310 1610 1910	1007 1107 1307 1607 1907	1 1/8 1 1/8 1 1/8 1 1/8 1 1/8	$ \begin{array}{c} 1^{3}_{16} \star \\ 1^{5}_{16} \star \\ 1^{3}_{16} \star \\ 1^{5}_{16} \star \end{array} $	7/16 ★ 7/16 ★ 7/16 ★	3/8/8/8/8/8/8/8/8/8/8/8/8/8/8/8/8/8/8/8	3.3 4.3 5.4 7.7 10.7
4.2 4.4 4.6 4.8 5.2	3.2 3.4 3.6 3.8 4.2	3.6 3.8 4.0 4.2 4.6	1.90 1.95 2.00 2.05 2.10	423 443 463 483 523	424 444 464 484 524	420 440 460 480 520	421 441 461 481 521		422 442 462 482 522	In Not		at Fac			1 1/8 1 1/8 1 1/8 1 1/8 1 1/8	1 3 16 1 3 16 1 3 16 1 3 16 1 3 16	7 16 7 18 7 18 7 18 7 18	\$ \8 \8 \8 \8 \8 \8 \8	1.0 1.1 1.2 1.4
5.4 5.6 5.8 6.2 6.4	4.4 4.6 4.8 5.2 5.4	4.8 5.0 5.2 5.6 5.8	2.20 2.25 2:30 2.40 2.55	543 563 -583 623 643	544 564 584 624 644	540 560 580 620 640	541 561 581 621 641		542 562 582 622 642	Not	Carne	d by D	caleis		1 1/8 1 1/8 1 1/8 1 1/8 1 1/8	1 3 16 1 3 16 1 3 16 1 3 16 1 3 16	7 16 7 16 7 16 7 16	3/8/8/8/8/8/8/8/8/8/8/8/8/8/8/8/8/8/8/8	1.4 -1.5 1.6 1.7 1.8

 $<sup>\</sup>pm$  L=1% and P=1% for 1% Bores and Larger.

## ROCKWOOD F. H. P. CAST IRON SHEAVES

For Fractional Horsepower Single V-Belt Drives BORES—Sheaves are carried in stock with fixed bores KEYWAYS for Bore.

For stock bushings available see table at bottom of this page.

13/8- to 17/6-inch .......3/8" x 1/6"

uoted on request. SET SCREWS—Hollowhead safety—one to each sheave.

MACHINED CAST IRON SHEAVES FOR "A" BELTS ONLY Prices for other bores quoted on request.

	DIAM	ETER					STOC	к вон	RES M	ARKE	) "X"				DIMENSIONS						
Part No.	Nom- inal Outside	Pitch "A"	List Price	1/2"	5/8"	3/4"	7/8"	15/16"	1"	1 1/8"	13/6"	11/4"	13/8"	17/16"	F	L	P	С	Wt. Lbs.		
AK30 AK32 AK34 AK39 *AK41	3.1" 3.3 3.5 3.8 4.0	2.8" 3.0 3.2 3.5 3.7	\$1.40 1.45 1.60 1.75 1.80	x x x x	x x x x	x x x x	x x		x x						3/4 3/4 3/4 3/4 3/4	1 3 16 " 1 3 16 1 3 16 1 3 16 1 3 16	1/2" 1/2 1/2 1/2 1/2 1/2	1/16" 1/16 1/16 1/16 1/16	.5 .6 .7 1.2 1.3		
AK44 *AK46 AK49 *AK51 AK54	4.3 4.5 4.8 5.0 5.3	4.0 4.2 4.5 4.7 5.0	1.85 1.90 1.95 2.05 2.15	x x x x	x x x x	x x x x	x x x x		x x x x					٠	3/4 3/4 3/4 3/4 3/4	1 3 16 1 3 16 1 3 16 1 3 16 1 3 16	1/2 1/2 1/2 1/2 1/2 1/2 1/2	1 16 1 16 1 16 1 16 1 16	1.4 1.6 1.9 2.1 2.2		
*AK56 *AK59 *AK61 AK64 AK74	5.5 5.8 6.0 6.3 7.3	5.2 5.5 5.7 6.0 7.0	2.20 2.30 2.35 2.40 3.15	x x x x	x x x x	x x x x	x x x x	x	x x x x	x	x	x	x	x	3/4 3/4 3/4 3/4 3/4	1 3/16 1 3/16 1 3/16 1 3/16 1 1/2	1/2 1/2 1/2 1/2 1/2 1/2 8/4	1 16 1 16 1 16 1 16 1 16	2.3 2.3 2.4 2.5 3.0		
AK84 AK94 AK104 AK114 AK124	8.3 9.3 10.3 11.3 12.3	8.0 9.0 10.0 11.0 12.0	4.00 4.50 4.90 5.70 6,20	x x x x	3/4 3/4 3/4 3/4 3/4	$ \begin{array}{c} 1\frac{1}{2} \\ 1\frac{1}{2} \\ 1\frac{1}{2} \\ 1\frac{1}{2} \\ 1\frac{1}{2} \\ 1\frac{1}{2} \end{array} $	3/4 3/4 3/4 3/4 3/4		3.5 4.3 4.9 5.4 6.0												
*AK144 AK154		14.0 15.0	7.50 8.15	x x	3/4 3/4	1½ 1½	3/4 3/4		7.5 8.2												

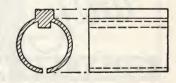
\*In Stock at Factory-Not Carried by Dealers.

## MACHINED CAST IRON SHEAVES FOR "A" OR "B" BELTS-COMBINATION GROOVE

	DIA	AMETI	ER					DIM	IENSI	ONS										
Part No.	Nom- inal Outside	Pitch "A"	Pitch	List Price	1/2"	5/8"	3/4"	7/8"	15/16"	1"	1 1/8"	13/16"	11/4"	13/8"	17/16"	F	L	P	С	Wt. Lbs.
BK28 BK30 BK32 BK34 BK36	3.0" 3.2 3.4 3.6 3.8	2.2" 2.4 2.6 2.8 3.0	2.6" 2.8 3.0 3.2 3.4	\$1.60 1.75 1.90 1.95 2.05	x x x x	x x x x	x x x x	x		x		a				7/8 7/8 7/8 7/8 7/8	1 <sup>3</sup> / <sub>16</sub>	7 16 7 16 7 16 7 16 7 16	1/8" 1/8 1/8 1/8 1/8	.7 .8 .9 1.1 1.3
BK40 BK45 *BK47 BK50 *BK52	4.0 4.3 4.5 4.8 5.0	3.2 3.5 3.7 4.0 4.2	3.6 3.9 4.1 4.4 4.6	2.10 2.25 2.30 2.35 2.40	x x x x	x x x x	x x x x	x x x x		x x x x						7/8 7/8 7/8 7/8 7/8	1 <sup>3</sup> / <sub>16</sub> 1 <sup>3</sup> / <sub>16</sub> 1 <sup>3</sup> / <sub>16</sub> 1 <sup>3</sup> / <sub>16</sub>	7 16 7 16 7 16 7 16 7 16	1/8 1/8 1/8 1/8 1/8	1.5 1.8 1.9 2.1 2.3
BK55 *BK57 BK60 *BK62 *BK65	5.3 5.5 5.8 6.0 6.3	4.5 4.7 5.0 5.2 5.5	4.9 5.1 5.4 5.6 5.9	2.40 2.45 2.50 2.70 2.90	x x x x	x x x x	x x x x	x x x x		x x x x						7/8 7/8 7/8 7/8 7/8 7/8	$1^{3}_{16}$ $1^{3}_{16}$ $1^{3}_{16}$ $1^{3}_{16}$ $1^{3}_{16}$	7 16 7 16 7 16 7 16 7 16	1/8 1/8 1/8 1/8 1/8	2.5 2.6 2.8 2.9 3.0
*BK67 BK70 BK80 BK90 BK100	6.5 6.8 7.8 8.8 9.8	5.7 6.0 7.0 8.0 9.0	6.1 6.4 7.4 8.4 9.4	3.10 3.35 3.85 4.20 4.70	x x x x	x x x x	x x x x	x x x x	x x x	x x x x	x x x	x x x	X X X	x x x	x x x	7/8 7/8 7/8 7/8 7/8	$ \begin{array}{c} 1^{3} \\ 1^{3} \\ 1^{5} \\ 1^{1} \\ 2 \\ 1^{1} \\ 2 \\ 1^{1} \\ 2 \end{array} $	7 16 7 16 11 16 11 16	1/8 1/8 1/16 1/16	3.1 3.2 3.8 4.2 4.8
BK110 *BK120 BK130 *BK140 BK160	10.8 11.8 12.8 13.8 15.8	10.0 11.0 12.0 13.0 15.0	10.4 11.4 12.4 13.4 15.4	5.15 5.80 6.50 7.15 8.45	x x x x	x ? x x	x x x x	7/8 7/8 7/8 7/8 7/8	$ \begin{array}{c} 1\frac{1}{2} \\ 1\frac{1}{2} \\ 1\frac{1}{2} \\ 1\frac{1}{2} \\ 1\frac{1}{2} \\ 1\frac{1}{2} \end{array} $	11 16 11 16 11 16 11 16 11 16	1 16 1 16 1 16 1 16 1 16	5.3 5.8 6.4 7.3 9.0								
BK190	18.8	18.0	18 4	10.00	x	x	x	x	x	x	x	x	x	x	x	7/8	11/2	11/16	1/16	11.7

# \*In Stock at Factory—Not Carried by Dealers. STOCK BUSHINGS FOR ALL FHP SHEAVES

					R	OCKV	VOOD	PAR	T NU	MBEF	RS					List
Outside		BORE OF BUSHING														
Diameter	3/8"	7/16"	1/2"	9/16"	5/8"	11/16"	13/16"	7/8"	15/16"	11/16"	11/8"	13/16"	11/4"	15/16"	13/8"	Eac
34" 1"	10011	10012	10013	10014	10015			10018	10019							\$0.30



#### **ROCKWOOD VARIABLE PITCH SHEAVES**

For Use With 3/8-inch "O", 1/2-inch "A" or 3/12-inch "B" Section V-Belts.

Accurately machined low priced durable cast iron sheaves for small Variable Speed Drives. Will meet a wide variety of conditions on all kinds of machines.

May be combined with cast iron or pressed steel sheave either FHP or Multiple V Types. Immediately available from stock. True Running—Balanced.

#### SINGLE GROOVE VARIABLE PITCH MACHINED CAST IRON SHEAVES

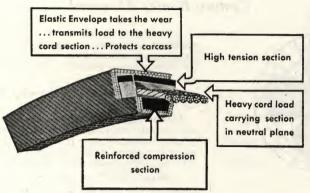
						P	Out-	DIMENSIONS													
Part No.	New List	3/8" "O" V-BELTS				½" "A" V-BELTS				21/32" "B" V-BELTS				side Diam-	F		G				Wt.
No.	Price	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open	Min. Pitch	Turns Open	Max. Pitch	Turns Open	eter			Maxi- mum		L	K	Lbs.
1VP30 1VP34 1VP40 1VP44 1VP50 1VP56	\$3.00 3.25 3.65 4.05 4.65 6.00	1.8" 1.7 2.3 2.7 3.3 3.9	4 4 4 4 4 4	2.7" 2.5 3.1 3.5 4.1 4.7	0 0 0 0 0	1.9" 2.4 2.8 3.4 4.0	5 5 5 5	2.9" 3.4 3.8 4.4 5.0	0 0 0 0	2.4" 2.7 3.1 3.7 4.3	6 6 6 6 6	3.2" 3.7 4.1 4.7 5.3	1 1 1 1	2.87" 3.15 3.75 4.15 4.75 5.35	13/6" 11/8 11/8 11/8 11/8	9/16" 3/4 3/4 3/4 3/4 3/4	5/8 7/8 7/8 7/8 7/8 7/8	3/8" 1/2 1/2 1/2 1/2 1/2 1/2	1 19/32" 1 7/8 1 7/8 1 7/8 1 7/8	17 /82 5/8/8/8/8 5/8/5/8/8	1.3 1.6 2.4 2.6 3.0 3.4

#### TWO GROOVE VARIABLE PITCH MACHINED CAST IRON SHEAVES

Part No.				1		P	PITCH	RANG	Out-	9											
	New List	3/8" "O" V-BELTS				1/2	½" "A" V-BELTS				31/32" "B" V-BELTS				1	F	G				Wt.
	Price	Min. Pitch	Turns Open		Turns Open	Min. Pitch	Turns Open			Min. Pitch		Max. Pitch					Maxi- mum			K	Lbs.
2VP36 2VP42 2VP50 2VP56	\$6.50 8.10 9.30 11.00	1.9" 2.5 3.3 3.9	4 4 4 4	2.7" 3.3 4.1 4.7	0 0 0 0	2.0" 2.6 3.4 4.0	5 5 5 5	3.0" 3.6 4.4 5.0	0 0 0 0	2.5" 2.9 3.7 4.3	5 6 6 6	3.3" 3.9 4.7 5.3	1 1 1 1	3.35" 3.95 4.75 5.35	2" 2½8 2½8 2½8	13/8" 13/8 13/8 13/8	1 ½" 1¼ 1¼ 1¼ 1¼	1/2" 1/2 1/2 1/2 1/2	3" 3 3 3	13/16" 13/16 13/16 13/16	4.1



### ROCKWOOD "V" BELTS



The construction used in the Rockwood Fractional dorsepower V Belt is the result of years of experience in producing V belts for all types of service. Each different ype of V belt drive requires a belt designed to handle the pecial conditions present on that particular application. The automotive fan drive, the electric refrigerator drive, the industrial multiple V drive, the miscellaneous light machinery drive—each one has its special characteristics. The Rockwood Fractional Horsepower V Belt is particularly designed to handle light machinery drives of all types.

FA Section-17"x 9"x42°

Rockwood Fractional Horsepower V Belts are furnished in two standard cross sections—"FA" and "FB," and in a variety of standard lengths.

"FA" belts are  $\frac{17}{32}$ -in. top width,  $\frac{9}{32}$ -in. thick, 42° angle. "FB" belts are  $\frac{1}{18}$ -in. top width, %-in. thick, 42° angle.

The serial number of each belt indicates the OUTSIDE length in inches. Example: FA 36 is a belt  $\frac{1}{32}$ -in. top width,  $\frac{9}{32}$ -in. thick, 42° angle, with a nominal outside length of 36 inches.

FR Section 11 " v36 " v420

Rockwood Fractional Horsepower V Belts are not for use in multiple. If belts are required for multiple service, apply a Rockwood Manufacturing Co., Indianapolis, Indiana.

	1 A Bechon—32 X32 X42						FE Section—18" X %8" X42".									
Rock- wood No.	Good- year No.	Each	Rock- wood No.	Good- year No.	Each	Rock- wood No.	Good- year No.	Each	Rock- wood No.	Good- year No.	Each					
12520	(FA20)	\$1.02	12668	(FA45)	\$1.62	14750	(FB25)	\$1.20	14940	(FB48)	\$2.25					
12521	(FA21)	1.02	12671	(FA46)	1.64	14755	(FB26)	1.25	14945	(FB49)	2.30					
12524	(FA22)	1.02	12677	(FA47)	1.67	14760	(FB27)	1.29	14950	(FB50)	2.35					
12528	(FA23)	1.02	12682	(FA48)	1.70	14765	(FB28)	1.33	14960	(FB52)	2.44					
12532	(FA24)	1.02	12690	(FA49)	1.73	14770	(FB29)	1.37	14970	(FB54)	2.53					
12538	(FA25)	1.02	12699	(FA50)	1.76	14775	(FB30)	1.42	14980	(FB56)	2.62					
12542	(FA26)	1.04	12713	(FA52)	1.82	14780	(FB31)	1.45	14990	(FB58)	2.72					
12546	(FA27)	1.06	12722	(FA53)	1.11	14795	(FB32)	1.48	15005	(FB60)	2.83					
12550	(FA28)	1.08	12730	(FA54)	1.88											
12554	(FA29)	1.11	12746	(FA56)	1.94	14798	(FB33)	1.52	15025	(FB62)	2.94					
12562 12566	(FA30)	1.14	12758	(FA58)	2.00	14805	(FB34)	1.56	15045	(FB64)	3.02					
12575	(FA31) (FA32)	117	12770	(FA60)	2.06	14810	(FB35)	1.60	15058	(FB66)	3.10					
12575	(FA32)	1.20	12782 12800	(FA62)	2.12	14815	(FB36)	1.65	15080	(FB68)	3.20					
12584	(FA34)	1.23 1.26	12812	(FA64) (FA66)	2.18	14820	(FB37)	1.70	15090	(FB70)						
12589	(FA35)	1.29	12824	(FA68)	2.24		/				3.30					
12600	(FA36)	1.32	12836	(FA70)	2.30 2.36	14835	(FB38)	1.74	15110	(FB72)	3.40					
			12848	(FA72)	2.42	14845	(FB39)	1.78	15120	(FB74)	3.48					
12605	(FA37)	1.35	12868	(FA74)	2.42	14850	(FB40)	1.84	15130	(FB76)	3.57					
12614	(FA38)	1.38	12881	(FA76)	2.54	14860	(FB41)	1.90	15140	(FB78)	3.68					
12620	(FA39)	1.41	12896	(FA78)	2.62	14870	(FB42)	1.96	15150	(FB80)						
12632	(FA40)	1.44	12910	(FA80)	2.70						3.78					
12636	(FA41)	1.48	12932	(FA84)	2.76	14890	(FB43)	2.02	15170	(FB84)	3.98					
12647			12956	(FA88)	2.86	14900	(FB44)	2.08	15190	(FB88)	4.12					
	(FA42)	1.52	12988	(FA92)	2.94	14905	(FB45)	2.12	15210	(FB92)	4.28					
12655	(FA43)	1.56	13012	(FA96)	3.06	14917	(FB46)	2.16	15230	(FB96)	4.44					
12661	(FA44)	1.60	13032	(FA100)	3.20	14925	(FB47)	2.20		(FB100)	4.64					
	•					11020	(1 27)	2.20	10230	(1 5100)	4.04					

NOTE—The above sizes are standard and can be furnished without delay and without equipment expense. When a special size is required we will be glad to submit a recommendation upon receipt of drive details. In a great many cases we will be in a position to furnish special sizes from equipment already on hand.

### **ELECTRIC FANS**

### Century Hunter Airspread



Recommended for general hardware, grocery, department or drugstores, hotel lobbies, club rooms and other commercial institutions. One Airspread will circulate air in 25 to 40 feet wide by 30 to 40 feet long or equivalent space.

5-Year Guarantee Policy—by Hunter, exclusive fan maker since 1886.

Motor Capacitor Type—Low current consumption—continuous duty—bright silver sprayed finish. Chrome plated switch holder is suspended in special Hunter Designed rubber cushions—providing floating power with silencer effect—may be tilted upward or downward.

Selected Ball Bearings—Front and rear double-sealed grease-packed—built to run without additional lubrication for years.

Zephair Aluminum Blades—4-Lightweight—24-inch diameter—created by Hunter—polished and sprayed with preserving lacquer—will not tarnish—shaped to provide even distribution of air and prolong life of motor. Bright udylite modernistic design chipproof guard—harmonizes with chrome trimmings and aluminum blade.

Pedestal Column—made of large size seamless steel tubing adjustable between 5-ft. and 8-ft.—column and coupler plated in heavy durable chromium.

Base—Black baked-wrinkle finish with chromium plated cap—highly ornamental appearance. Designed with special inside rubber insulation to prevent vibration—balanced to insure safety with portability.

Two Speed—Speed, High, 1175 R.P.M.; Low, 850 R.P.M. Watts, High, 210; Low, 850—NEMA Standard Test (1 ft. in front of fan), High, 4800 C.F.M.; Low, 3600 C.F.M. Air Delivery Reading (4 ft. from fan), High, 9000 C.F.M.; Low, 7000 C.F.M.

### PEDESTAL TYPE

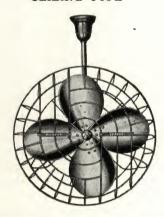
No. 2422—Two Speed, pedestal type. 5 to 8 ft. column; with pull switch; shipping weight, 120 lbs. Each..\$77.50

All above for 110 volt A.C. only.

### COUNTER TYPE



### CEILING TYPE





### **ELECTRIC FANS**

Signal



In

Vertical Position



### SPECIFICATIONS

MOTOR: Induction, 4-pole, shaded pole type, rubber mounted, motor cord 8 inches, non-radio interfering.

Low

HOUSING: Heavy gauge drawn steel inner housing enclosed in a streamlined drawn steel outer housing. Rubber mounting between the two housings eliminates vibration and results in more quiet operation.

BEARINGS: Extra large, self-aligning, self-lubricating, porous bronze composition, wool-packed oil reservoirs. Ball thrust bearing is provided to balance the end thrust when motor is operated in vertical position.

SWITCH: Three-speed, pull type, conveniently located in the rear motor cover.

GUARD: Heavy gauge wire, rigidly constructed and secured, cadmium-plated.

BLADES: Made from heavy gauge aluminum, designed for maximum air delivery and carefully balanced for smooth running and quiet operation, polished finish.

FINISH: Chrome-plated motor housing, polished aluminum fan blades and cadmium-plated guard.

ADJUSTMENT: Range from vertical to 15 degrees below horizontal in 15-degree angles. Adjustments can be made quickly and easily by means of a wing nut on each side of the motor. A simple, safe-locking device holds the fan rigidly in the selected position.

LOW STAND: Interchangeable with 20-inch and 24-inch fans; center of fan to bottom of base 17 inches, base drilled for attachment to counter or wall. To attach, remove base from column, lift off chrome-plated cover, mounting holes are concealed. Furnished with 10-ft. heavy rubber-covered (Underwriters' approved) cord and plug with connector for attaching to motor cord. Entire stand chrome-plated excepting outer rim of base, which is black baked wrinkle enamel. Base plate equipped with rubber feet to protect polished surfaces.

WALL MODEL: The Low Stand Model is interchangeable as a Wall Model. Concealed mounting holes for attaching to wall or counter are located in base plate under chrome cover.

No. CL-20—Blade size 20 inches. R.P.M. 1600; input watts 200. Air Delivery 5400 C.F.M. Weight, each 35 lbs. Each ......\$37.50 Dep't-1

No. CL-24—Blade size 24 inches. R.P.M. 1525; input watts 240. Air delivery 6000 C.F.M. Weight, each 41 lbs.
Each ........\$42.50 XTOV Dep't-1

FLOOR MODEL: Interchangeable with 20-inch and 24inch fans; adjustable floor column permits height range from 4' 4" to 7' 6" floor to center of fan. Base drilled for attachment to floor. Furnished with 18-ft, heavy rubbercovered (Underwriters' approved) cord and plug with connector for attachment to motor cord. Adjustable column and base cover chrome-plated, stationary column and outer rim of base black baked wrinkle enamel.

No. CF-20—Blade size 20 inches. R.P.M. 1600; input watts 200. Air delivery 5400 C.F.M. Weight, each 64 lbs.

Dep't-1 XXXX

No. CF-24—Blade size 24 inches. R.P.M. 1525; input watts 240. Air delivery 6000 C.F.M. Weight, each 70 lbs.

.....\$49.95 Dep't-1 VXAT

### ELECTRIC FANS Signal Standard

### 16-INCH OSCILLATOR



Motor — Induction, 6 pole, slow speed, 1025 R.P.M., non-radio interfering. Operates on 110-120 volts, alternating current, 50-60 cycles only.

Motor Housing — Streamlined design. Die-cast, equipped with handle.

Bearings — Self-lubricating, porous bronze sleeve with wool-packed oil reservoirs.

Base — Streamlined design. Cast iron. Rubber protection for polished surfaces. Can be wall mounted.

Oscillator — Entirely enclosed in rear housing of motor. The angle of oscillation is 80 degrees. A push button is located in the rear of the motor and controls the adjustment for non-oscillating operation.

Blades-Quiet type, balanced.

Guard—Triple ring of heavy gauge wire.

Switch—Three speeds, rotary type in base.

Cord—Rubber, 8 feet. Underwriters' approved.

Finish — High gloss black baked enamel with chrome plated blades and cadmium plated guard.

Air Delivery-1650 C.F.M.

Watts-83.

16-INCH OSCILLATOR



Motor—Induction, 4 pole, non-radio interfering. Operates on 110-120 volts, alternating current, 50-60 cycles only.

Motor Housing—Cast iron, equipped with handle. Streamlined design with heavy drawn steel end cap.

Bearings — Self-lubricating, porous bronze sleeve, with wool packed oil reservoirs.

Base—Cast iron with felt base pad. Can be wall mounted.

Oscillator — Entirely enclosed in rear housing of motor. The angle of oscillation is 80 degrees. A control knob conveniently located above the motor, permits the fan to be locked in any position within its arc of oscillation.

Blades—Quiet type, balanced.

Guard — Triple ring, heavy gauge wire.

Switch—Three speeds, rotary type in base.

Cord—Rubber, 8 feet. Underwriters' approved.

Finish—High gloss black baked enamel with chrome-plated blades and cadmium plated guard.

Air Delivery-1650 C.F.M.

Watts-100.

16-INCH OSCILLATING PEDESTAL



Motor—Induction, 4 pole, non-radi interfering. Operates on 110-120 volt alternating current, 50-60 cycles on

Motor Housing—Cast iron, streamlined design with heavy drawn stee end cap.

Bearings — Self-lubricating, poroubronze sleeve, with wool-packed or reservoirs.

Oscillator — Entirely enclosed in rear housing of motor. The angle oscillation is 80 degrees. A control knob, conveniently located above to motor, permits the fan to be locked in any position within its arc of oscillation.

Blades—Quiet type, balanced.

Guard—Triple ring of heavy gaug wire.

Switch—Three speeds, rotary typin switch box at top of pedestal.

Base-Cast iron.

Adjustment—Adjustable from 4' f to 7' 6" floor to center of fan.

Cord—Rubber, 8 feet. Underwriters' approved.

Finish — Motor, switch box, base and stationary section of stand brown wrinkle. Adjustable column and plate on base polished chromium. Chrome

plated fan blades and cadmium-plate

guard. Air Delivery—1500 C.F.M.

Watts—100.

# ELECTRIC FANS Signal Standard

### 12-INCH OSCILLATING



Motor—Induction, 4 pole, non-radio interfering. Operates on 110-120 volts, alternating current, 50-60 cycles only.

Motor Housing—Cast iron, equipped with handle. Streamlined design with heavy drawn steel end cap.

Bearings — Self-lubricating, porous bronze sleeve, with wool packed oil reservoirs.

Base—Cast iron with felt base pad. Can be wall mounted.

Oscillator — Entirely enclosed in rear housing of motor. The angle of oscillation is 80 degrees. A control knob, conveniently located above the motor, permits the fan to be locked in any position within its arc of oscillation.

Blades—Quiet type, balanced.

Guard—Triple ring of heavy gauge wire.

Switch—Three speeds, rotary type in base.

Cord—Rubber, 8 feet. Underwriters' approved.

Finish — High gloss black baked enamel with chrome-plated blades and cadmium plated guard.

Air Delivery-1070 C.F.M.

Watts-67.

### 10-INCH OSCILLATING



Motor—Induction, 4 pole, non-radio interfering. Operated on 110-120 volts, alternating current, 50-60 cycles only.

Motor Housing — Drawn steel, streamlined design.

Bearings—Self-lubricating and selfaligning, porous bronze composition, with wool-packed oil reservoirs.

Base—Cast iron with felt base pad. Can be wall mounted. Streamlined design.

Oscillator—Entirely enclosed in rear housing of motor. The angle of oscillation is 80 degrees. A control knob, conveniently located above the motor permits the fan to be locked in any position within its arc of oscillation.

Blades—Quiet type, balanced.

Guard — Triple ring, heavy gauge wire.

Switch—Two speeds, rotary type in base.

Cord: Rubber, 8 feet. Underwriters' approved.

Finish — High gloss black baked enamel with chrome-plated blades and cadmium-plated guard.

Air Delivery-850 C.F.M.

Watts-60.

### 10-INCH OSCILLATING



Motor—Universal, operates on 110-120 volts D.C. or A.C. 50 to 60 cycles.

Motor Housing—Drawn steel. Conventional design.

Bearings—Self-lubricating and selfaligning, porous bronze composition, with wool-packed oil reservoirs.

Base—Cast iron with felt base pad. Can be wall mounted. Conventional design.

Oscillator—Enclosed, adjustable for non-oscillating operation.

Blades-Quiet type, balanced.

Guard — Triple ring, heavy gauge wire.

Switch—Two speed, lever type, in base.

Cord—Rubber, 8 feet. Underwriters' approved.

Finish — High gloss black baked enamel with chrome plated blades and cadmium plated guard.

Air Delivery-570 C.F.M.

Watts-65.

‡No. 450-32—Same as above except for 32 volt D.C. Each......\$14.85 F. S.—F.O.B. Menominee, Mich. ]04

Items marked thus ‡ not carried in stock but shipped direct from factory.

### ELECTRIC FANS Signal Coolspot

The Signal Cool Spot line presents a popular priced fan for heavy duty use. They are built along the order of the Signal Standard line and will give trouble free service for many years in the home, store, office, restaurant, etc.

### 12-INCH OSCILLATING



Motor—Induction, 4 pole, non-radio interfering. Operates on 110-120 volts, alternating current, 50-60 cycles only.

Motor Housing — Streamlined design, drawn steel.

Bearings — Self - lubricating and self-aligning, porous bronze composition, with wool packed oil reservoirs.

Base—Streamlined design, cast iron with felt base pad. Can be wall mounted.

Oscillator — Entirely enclosed in rear housing of motor. The angle of oscillation is 80 degrees. A control knob, conveniently located above motor, permits the fan to be locked in any position within its arc of oscillation.

Blades-Quiet type, balanced.

Guard—Triple ring, heavy gauge wire.

Switch—Three speeds, rotary type in base.

Cord—Rubber, 8 feet. Underwriters' approved.

Finish—Black wrinkle base and front motor housing. Rear end cap chrome plated. Chrome plated blades and cadmium plated guard.

Air delivery-920 C.F.M.

Watts-60.

### 10-INCH OSCILLATING



Motor: Induction, 4-pole, non-radio interfering. Die-cast center housing with heavy steel end housings.

Bearings: Self - lubricating with wool packed oil reservoir; self-aligning.

Base: Cast iron with rubber feet. Can be wall mounted.

Oscillator: Entirely enclosed, heavy duty gears, grease-packed. Adjustable for non-oscillating operation.

Switch: Toggle, one-speed.

Cord: Rubber, 6 feet.

Air Delivery: 610 cubic feet of air per minute.

Watts: 45.

Finish: Smooth green finish motor and blades to match and cadmium plated guard.



### 10-INCH OSCILLATING PEDESTAL



Motor—Streamlined design, induction, 4 pole, non-radio interfering. Operates on 110-120 volts, alternating current 50-60 cycles only.

Motor Housing — Streamlined design, die-cast center housing with heavy steel front and rear end caps.

Bearings—Self-lubricating and selfaligning, porous bronze composition, with wool packed oil reservoirs.

Base—Cast iron.

Adjustment—Adjustable in height from 39 inches to 56 inches, floor to center of fan.

Oscillator — Entirely enclosed in rear housing of motor. The angle of oscillation is 80 degrees. A control knob, conveniently located above motor, permits the fan to be locked in any position within its arc of oscillation.

Blades—Quiet type, balanced. Guard—Triple ring of heavy gauge

vire.

Switch—Toggle, one speed. Located in motor housing.

Cord — Rubber. Underwriters' approved. 8 feet.

Finish—Opalescent Windsor Green wrinkle base and stationary column with smooth green finished motor and fan blades to match, cadmium plated guard. Adjustable column is chrome plated.

Air Delivery—700 C.F.M.

Watts-47.

# ELECTRIC FANS Signal Coolspot

The Signal Cool Spot line presents a popular priced fan for heavy duty use. They are built along the order of the Signal Standard line and will give trouble free service for many years in the home, store, office, restaurant, etc.

### 8-INCH OSCILLATING



Motor—Induction, 2 pole, non-radio interfering. Operates on 110-120 volts, alternating current, 50-60 cycles.

Motor Housing — Drawn steel. Streamlined design.

Bearings — Self-lubricating and self-aligning, porous bronze composition, with wool packed oil reservoirs.

Base—Cast iron with felt base pad. Can be wall mounted. Streamlined design.

Oscillator — Entirely enclosed in rear housing of motor. The angle of oscillation is 80 degrees.

Blades — Conventional type, balanced.

Guard—Triple ring, heavy gauge wire.

Switch—Toggle, one speed, in base.

Cord—Rubber, 6 feet. Underwriters' approved.

Finish—Opalescent Windsor Green wrinkle base with smooth green finished motor and fan blades to match. Cadmium plated guard.

Air Delivery-370 C.F.M.

Watts-38.



Motor—Induction, 2 pole, non-radio interfering. Operates on 110-120 volts, alternating current, 50-60 cycles.

Motor Housing — Drawn steel. Streamlined design.

Bearings — Self-lubricating and self-aligning, porous bronze composition, with wool packed oil reservoirs.

Base—Cast iron with felt base pad. Can be wall mounted.

Blades — Conventional type, balanced.

Guard — Triple ring, heavy gauge wire.

Switch—Toggle, one speed, in base. Cord—Rubber, 6 feet. Underwriters' approved.

Finish—Opalescent Windsor Green wrinkle base with smooth green finished motor and fan blades to match. Cadmium plated guard.

Air Delivery—370 C.F.M.

Watts-38.

**No. 219**—8-inch blade. Weight, each 6 lbs. Each. ... ... ... ... ... ... ... ... \$3.95 **Dep't-1** XAT

### 8-INCH STATIONARY



#No. 114-32—Same as above excepting for 32 volt D.C. Each......\$6.30
F. S.—F.O.B. Menominee, Mich. ^Oz

IT IS ECONOMY
TO BUY IN UNIT
OR ORIGINAL
PACKAGES

It Saves Handling And

Breakage, and you

Receive Fresh and

Clean Goods

### ELECTRIC FANS Polar Cub

The Fans listed below all have the following features:

Motor—Induction type, non-radio interfering, operates on 110 volts, A. C. 60 cycles only.

Bearings—Self-aligning, oil impregnated graphite bronze bearings with oil reservoir.

Base—New improved stream-line cast iron base with keyhole slot for wall mounting. Fan tips backward and forward.

### STATIONARY



Finish—Garrison gray, electrically baked.

Blades-Four new propeller-type. Bright finish.

Watts—Draws about 25.

Motor Shell—Two-part drawn steel. Torpedo design. Guard-New style, strong, electrically welded double ring.

Cord-Black standard, parallel, approved rubber cord and plug

No. A15IP-8 inch blades. Size 101/4 inches high by 81/2 inches wide. 1 to a carton. Wt. each, 5 lbs. Each....\$1.50

### STATIONARY



Finish—Garrison Gray, electrically baked.

Blades-Four bright finish "Wind-duct." Extremely quiet-big air output.

Motor Shell—Streamlined torpedo design—Two-piece

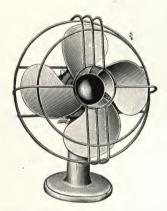
drawn steel.

Watts—Draws about 25.
Guard—New style, strong, electrically welded triple ring. Bright finish.

Cord-Black, standard, parallel, approved rubber cord and plug cap.

No. A318—8-inch blades. Size 10¼ inches high by 9 inches wide. One to a carton. Weight each, 6 pounds.

#### OSCILLATING



Finish-Garrison Gray, electrically baked.

Blades-Four bright finish "Wind-duct." Extremely quiet-big air output.

Oscillator-Sturdy, quiet, worm drive.

Motor Shell-Torpedo design. Encloses gear unit.

Switch—On and off rotary on motor housing.

Watts-Draws about 25.

Guard-New style, strong, electrically welded triple ring. Bright finish.

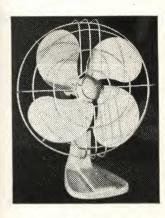
Cord-Black standard, parallel, approved rubber cord and plug cap.

No. A321-8-inch blades. Size 101/4 inches high by 9 inches wide. Weight each, 5 pounds. Each ......\$3.40

Packed one to a carton.



### OSCILLATING



Finish: Garrison Gray electrically baked.

Blades: Four bright finish "Windduct." Extremely quiet, big air output.

Oscillator: Sturdy, quiet, worm drive. Equipped with automatic safety release nut, may be operated as a non-oscillating fan.

Motor Shell: Torpedo design, encloses gear unit.

Switch: On and off rotary on motor housing.

Watts: Draws about 60.

Guard: New style, strong, electrically welded triple ring. Bright finish.

Cord: Black standard, parallel, approved rubber cord and plug cap.

No. A325—10-inch. Size 1234 inches high by 1036 inches wide. Weight each, 7 pounds. Each .......\$5.75

No. A326—12-inch oscillating otherwise same as above. Size 15 inches high by 12½ inches wide. Weight each, 10 pounds. Each .........\$7.75

Packed one in a carton.

### Polar Cub

### OSCILLATING



Finish—Two-tone Ice Blue, electrically baked.

Blades—Four new propeller type.

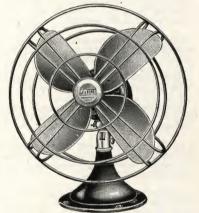
Bright finish,
Oscillator—Sturdy, quiet, worm drive.

Motor Shell — Two-part drawn Steel.

Switch—On and off toggle on motor housing.

Watts-Draws about 60.

Guard—New style, strong, electrically welded double ring. Bright finish.



Finish—Velvet black and chrome Switch—2 speeds and stop.

Blades—4 aluminum propeller type with reinforcing spider.

Watts-Draws about 95.

Guard — Modern 4 ring, extra heavy.

Oscillator — Oscillating movement supported on ball race thrust bearing. Equipped with automatic safety release. May be operated as non-oscillating fan.

Cord—Black standard, parallel approved rubber cord and plug cap.

No. A37—16 inch blades. Size 17½ inches wide by 19¼ inches high. Wt. each, 26 pounds. Each .....\$19.50 Packed one in a carton.

OSCILLATING PEDESTAL MODEL



Motor Shell—Torpedo design—encloses gear unit.

Switch—On and off rotary on motor housing.

Oscillator—Sturdy, quiet, worm drive. Equipped with automatic safety release nut—may be operated as a non-oscillating fan.

Fan Adjustment—Fan tips forward and backward by handy thumb nut adjustment operating in yoke at top of fluted steel supporting post.

Finish—Beige (wrinkle), electrically baked.

Blades—Four, Chromine "Wind-duct," Extremely quiet—big air output.

Watts-Draws about 60.

Guard—New style, strong, electrically welded triple ring. Bright finish.

Cord—Black standard, parallel, approved rubber cord and plug cap.

No. A327—10-inch blades. Size 4½ ft. overall. Pedestal column not adjustable for height. 11-inch diameter cast iron base. One to a carton. Weight, 17 lbs. Each .....\$8.00

### OSCILLATING



The Fan That Fits A Million Homes In Appearance Efficiency and Price.

Motor—Famous Gilbert induction motor. Operates on 110 volts, A. C., 60 cycles only. 2-pole, high starting torque, shaded pole type, centerless ground shaft and rotor core.

Bearings—Self-aligning, oil impregnated graphite bronze bearings with reservoir and felt oil retainer. Fan tips backward and forward by positive worm and segment adjustment.

Base—Drawn steel. Can be attached to wall.

Motor Shell—2-part, drawn steel. Torpedo design—encloses gear unit.

Finish—Gun metalescent, electrically baked, with chromium trim.

Blades—4 bright finish, wind-duct. Extremely quiet—big air output.

Watts-Draws about 42.

Switch—On and off rotary on motor shell.

Guard—Modern,4 ring, electrically welded, bright finish.

Oscillator — Sturdy, quiet, worm drive. Equipped with automatic safety release nut. May be operated as a non-oscillating fan.

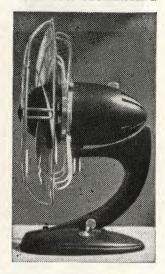
Cord—Black standard parallel approved rubber cord and plug cap.

No. A33—10 inch blades. Size 1234 ins. high by 111/8 inches wide. Weight each, 7 pounds. Each ........\$6.95

### **ELECTRIC FANS**

Gilbert Standard

AIRFLOW OSCILLATING



The Fan That Has Everything To Make People Stop, Look and Buy

Motor—Famuos Gilbert Induction Motor. Operates on 110 volts A.C., 60 cycles only. 4-pole type, high starting torque, shaded pole type, centerless ground shaft and rotor core.

Bearings—Self-aligning, oil impregnated, graphite bronze bearings with oil reservoir and felt oil retainer.

Motor Shell—One-piece die cast ultra streamlined with rear end cowling, which entirely encloses oscillating mechanism.

Base—Cast iron, Tear-Drop design with latest style streamlined support arm.

Adjustment—Finger-tip angle adjustment backward and forward, operating on friction bearing at the base.

Blades—Four bright-finished Aluminum Airflow blades with bullet nose. Extremely quiet. Gives more air output than ordinary type of blades.

Finish—Gun Metal electrically baked with chromium trim.

Watts-Draws about 30.

Switch-Two speeds and stop.

Guard—Modern 4-ring unit. Construction rigid and attractive. Bright finish.

Oscillator—Oscillating movement completed concealed in motor housing equipped with automatic safety release. May be operated as non-oscillating fan. Moves through an arc of 80 degress.

Cord—Black standard parallel approved rubber cord and plug cap.

TO BUY IN UNIT

OR ORIGINAL

PACKAGES

Soleanning announce a

It Saves Handling And
Breakage, and you

Receive Fresh and

Clean Goods

### **ELECTRIC FANS**

### Gilbert Standard

### UNIVERSAL OSCILLATING



Built to Quality Specifications for Places That Have Direct Current

Motor-Famous Gilbert Universal.

Operates on 110 volts, A.C. or D.C., 60 cycles or less.

Bearings — Self-aligning, oil-impregnated graphite bronze bearings with reservoir and felt oil retainer.

Base—Drawn steel. Can be attached to wall. Fan tips backward and forward by positive worm and segment adjustment.

Motor Shell-Two-part drawn steel.

Finish—Velvet black, electrically baked with chromium trim.

Blades—Four chromium, clover-leaf type.

Watts—Draws about 40.

Switch—Two speeds and stop, lever type located in base.

Guard—Double ring, electrically welded, bright finish.

Oscillator — Oscillating movement equipped with automatic safety release. May be operated as non-oscillating fan.

Cord—Black standard parallel approved rubber cord and plug cap.

No. B64—10 inch blades. Size 12½ inches high by 10¼ inches wide. Wt. each, 6½ pounds. Each ......\$9.95

Packed one in a carton.

12-INCH OSCILLATING WITH

PEDESTAL



The modern fan with adjustable height range for chosen air levels—unmatched in style and beauty they create new profit opportunities for dealers.

Motor—Famous Gilbert Induction Motor. Operates on 110-120 volts A.C., 60 cycles only. 4-pole type, high starting torque, shaded pole type, centerless ground shaft and rotor core.

Bearings—Self-aligning, oil impregnated, graphite bronze bearings with oil reservoir and felt oil retainer

eryoir and felt oil retainer.

Motor Shell—One-piece die cast ultra streamlined with rear-end cowling, which entirely encloses oscillating mechanism.

Fan Adjustment — Finger-tip angle adjustment backward and forward operating on friction bearing at the base.

Mounting—Fan is mounted on pedestal base with telescopic tube.

Locking Ring—For regulating height control. Pressure on thumb lever instantly releases grip on sliding tube, permitting desired elevation. Reverse action on lever, spring to locking position

grips to locking position.

Blades—Four bright-finished Aluminum
Aerodynamic blades with bullet nose. Extremely quiet. Gives more air output than
ordinary type of blades

ordinary type of blades.

Finish—Gun - Metalescent electrically baked with chromium trim.

Watts—Draws about 30.

Switch—Foot control in base—3 speeds and stop.

Guard—Modern, four-ring unit. Construction rigid and attractive. Bright finish.

Oscillator—Oscillating movement completely concealed in motor housing equipped with automatic safety release. May be operated as non-oscillating fan.

Cord—Black standard parallel approved rubber cord and plug cap.

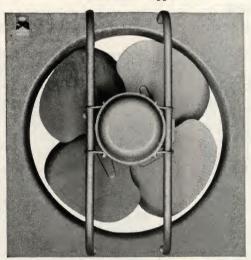
No. A56—12-inch blades. Size 13¼ by 49 inches (74 inches extended). Weight, each, 32 pounds. Each .....\$19.95

One to a carton.



A Z %

### PEERLESS DELUXE EXHAUST FANS Extra Quiet Type



This Deluxe Model was developed to supply an EX-TREMELY QUIET, attractively designed fan for stores,

restaurants, hotels, and similar high class installations.

Extra wide blades—perfectly balanced during manufacture—are partly responsible for the extremely quiet operation of these fans. Another factor insuring quietness is the use of specially designed, thermally equipped capacitor motors. These motors are totally enclosed to exclude dirt and moisture, and are designed to permit installation and operation in either a vertical or horizontal position. The mounting ring, arms and blades are finished in an attractive gray shade.

One of Speed Fans

### 60 Cycle Single Phase Only for 110 to 220 Volts

No. 1 Speed	List Ea. 1 Speed	No. 3 Speed	List Ea. 3 Speed	Size	Motor H.P.	CFM	RPM	Wt.
PVS16-1	\$ 49.00	PVS16-3	\$ 69.00	16	1/8	2150	1100	60
PVS18-1	66.00	PVS18-5	86.00	18	1/6	2900	1100	75
PVS24-1	92.50	PVS24-3	119.50	24	1/4	4550	820	120
PVS30-1	135.00	PVS30-3	162.00	30	1/2	7375	660	140

Dep't-1

PEERLESS MULTIBLADE EXHAUST FANS



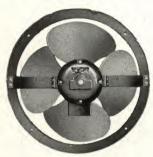
Multiblade Fan of exclusive design will move a great volume of air quietly and efficiently. The blades are a rust-resisting metal finished with a durable baked-on red crackle paint. Capacity Motor— Very smooth in starting; draws a low starting current; is totally enclosed to exclude dust, dirt and moisture.

		One S	peed I	an-A.	C. and	D. 0	1.	
A.C.	D.C.				Free			
Fan	Fan	Size	. Motor		Air ·	Wt.	A.C.	D.C.
Nos.	Nos.	In.	H.P.	R.P.M.	C.F.M.	Lbs.	Each	Each
CV12	DV12	12	1/20	1150	1600	32	\$29.00	\$32.00
Dep't-1							A Z %	1 Z %
a.	1 0 1	7.7	- 1	9	-	4	7.7 48	E 0 11 7

Speed Controller supplying 5 speeds—add \$7.50 list.

For Vertical Mounting add \$2.50 list price.

### PEERLESS SILENT BLADE VENTILATING FANS



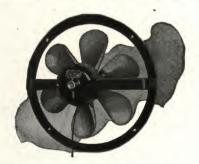
These small four blade fans have the new wide blade design which was selected by Peerless engineers to give efficient air handling capacity combined with extremely quiet operation These two sizes are recommended for installation in the home tea-room, small grills and restaurants where the larger equipment is not required. The motor is a totally enclosed, modified splitphase type, which will not produce radio interference. The motor, mounting ring, and cross support are finished in an attractive green color; the new wide fan blades in red.

A.C. Fan No. CV1 CV2	D.C. Fan No. DV1 DV2	Size 12 16	Motor H.P. 1/40 1/30	R.P.M. 1550 1550	C.F.M. 1150 1550	Wt. lbs. 33 38	A.C. Ea. \$24.50 27.00	D.C. Ea. \$26.00 28.50
Dep't-	1						A Z %	AZ%

\*For 110 Volt 60 Cycle A. C .- Add \$2.50 list for 25 cycle. Add \$1.50 list for 220 volt A. C.

5 Speed controller for above fans-\$7.50 list. For Vertical Operation add \$2.50 to list price.

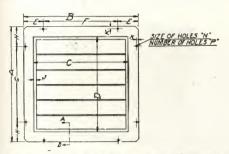
### PEERLESS SIX-BLADE VENTILATING FANS



An attractive and efficient fan for small rooms, dens, crowded offices, doctors' and dentists" workrooms, and similar locations It is furnished complete with cord, plug, and convenient pul switch. This small fan operates very quietly. The motor is a totally enclosed induction type—110 volts, 60 cycles—and will the convenient of the co not produce radio interference.

	Dia. in.	Volts	Motor H.P.	Cy- cles	r.p.m.	c.f.m.	Wt.	Each
No. AVO	10	110	1/75	60	1550	500	lbs. 20	\$16.50
Dep't-1								AZ%

### PEERLESS FAN LOUVERS



Louvers are constructed of high grade aluminum. Destructive gases or weather will not corrode or rust out. Louver shutters open when fan starts—close when fan is not in operation Eigh quality mechanism insures smooth, dependable operation

Size,			-Dime	ensio		Wt.,			
In.	A-B	C-D	E	H	K	N	P	Lbs.	Each
12	14%	12	5	3	*	3/4	4	5	\$8.00
16	18%	16	41/4	3	3/8	1/4	4	81/2	11.00
18	20%	18	41/2	3	*	3/4	4	8	13.50
24	26%	24	5	3	4	1/4	4	11	19.50
30	3234	30	51/2	3	*	1/4	4	15	30.00
Dep't-1								Al	1 A Z %

### HOW TO FIGURE THE REQUIRED FAN SIZE

Determine the cubic feet of air in the room or space to be ventilated by multiplying the length by the width by the height in feet. For example, a restaurant 40 feet long, 20 feet wide, 10 feet high, equals a total of 8,000 cubic feet. The recommended air change in Restaurants should be twelve times per hour. Multiply 8,000 by 12. This shows a total of 96,000 cubic feet of air to be moved per hour. Divide 96,000 by 60. This shows a total of 1600 cu. ft. to be moved per minute.

The fan to be recommended for this job can be either the Nos. AV12 or AVS2.

### Types of Rooms and Buildings

	Reco	mmended
Н	ourly	Air Changes
Public Lavatories		18—20
Paint Shops		12—15
Bakeries		12—15
Kitchens (Hotels and Restaurants).		12—15
Kitchens (Home)		9-12
Garages and Laundries		10-12
Restaurants, Cafes, Theatres		10-12
Billiard Rooms, Bowling Alleys		8-10
Club, Smoking, Card Rooms		6— 8
Retail Stores		6— 8
Beauty and Barber Shops		5— 6
Libraries, Museums, Courtrooms		7-10
School and Class Rooms		810
Offices		46
Dining and Living Rooms		2-4
Sleeping Quarters		2-3

If uncertain as to the proper capacity of fan required for any installation, please send complete data. Our recommendation will be forwarded immediately.

### CEILING FANS



When operated at high speed preferably hung well up from the floor, moves a large volume of air quietly, and when operated at slow speed, can be used most successfully to circulate the air without annoying sounds or draughts. The Ball bearings immersed in oil support the weight of the armature and blades—lifetime—service assured.

The oil cups hold sufficient oil for at least one years operation.

52-inch provided with Basswood blades guaranteed for a life-time.

36-inch Provided with Duraluminum blades.

Numbers	363	106
Size	36	52
Number of speeds	2	3
R.P.M. on fast speed	380	260
Weight, pounds	41	66
Each	\$40.00	\$50.00

Odd Voltage and Frequency: Add \$2.00 list for any odd voltage or frequency and allow four weeks delivery time. (No added charge for 50 cycle on special order).

NOTE—Hanger rod not regularly supplied. Can be made in any length wanted from ordinary %-inch pipe for 52 inch size and ½-inch for 36 inch size.

All above fans operate on 60 cycle 110 Volt A. C. only.

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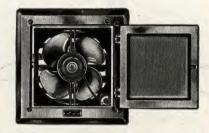


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### VENTILATING EQUIPMENT

### WALL BOX KITCHEN VENT FAN

Signal



This Signal automatic wall box built-in type Kitchen Ventilating Fan is of permanent installation. Telescopic in design there are sizes to fit walls from 7-inches to 24-inches in thickness. Can be installed in new or old homes. Inside frame and door as well as the telescopic sections are drawn steel. Outside shutter frame is cast iron with aluminum weathertight shutters. The totally enclosed motor is rubber mounted and held securely by four supports. A 10-inch quiet type fan moves, quickly, quietly, and efficiently, 650 cubic feet of objectionable smoke, steam or odor-laddened air per minute. The motor switch (one speed) is controlled by the opening and closing of the door. (Handle furnished.) Opening the door starts the motor and rush of air opens automatic shutters. When door is closed motor stops and shutters close by gravity.

Finish of inside section and door is white and remainder of fan is brown with polished aluminum shutter vanes.



## PEERLESS BUILT-IN WALL VENTILATORS DeLuxe Model—Two Speed Fan



A two-speed ventilator with blades of improved design for large air movement without noise. Both speeds are obtained by the same pull cord which starts the motor and opens the outside door or louver. Wall ventilators are shipped completely assembled. The entire fan and motor assembly is easily removable so that the housing may be installed while the building is under construction and the fan and motor assembly added upon completion of the building. The box or housing is of heavy galvanized steel. Motor—Fully enclosed induction type. Fan—12-inch Multiblade type. Capacity—Low speed 400 cubic feet per minute. High speed 800-900 cubic feet per minute. Wall opening required—1414-inches square.

### Standard Model-Single Speed



A built-in wall ventilator that thoroughly ventilates sturdily built and moderately priced. Comparable with larger and higher priced models in efficiency and operation.

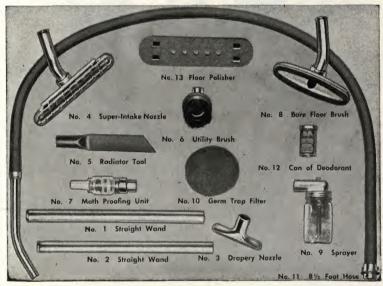
This ventilator has all the refinements of the DeLuxe Model described above. It is a single speed type with a ten-inch blade assembly having smaller air capacity. The grill is cast aluminum, highly polished. The outside door is mechanically opened and closed by the same cord used to start and stop the motor. Capacity—400 cubic feet per minute.

Furnished for 110 volts, 60 cycles only. Wall opening required—121/4-inches square.

### CLEAN-AIR CLEANER

### Universal





New beauty, new convenience, new features have been added to the Universal Clean-Air. It provides complete housecleaning service. New Thread-Picking, Non Dragging nozzle and Air-Sealed germ trap, gets all the dirtand Purifies the air, easier and faster.

The scores of Extra uses of the new Universal Clean Air make it More than just a vacuum cleaner. Handy attachments clean moldings, valances, bookcases. Others wax and polish floors, shampoo rugs, spray paint, clean car upholstery, demoth closets.

### Features and Specifications

Powerful Whirlwind Super-Suction brought about by triple turbine-type fans.

Ball Bearing Motor-Scientifically designed resilient mounting—quiet operation. Requires no oiling. A. C. or D. C.

Rubber Sealed, Air Tight Germ Trap thoroughly cleans

Swiveled Hose with Self Locking Collar makes an absolute air-tight seal.

Chromium Plated Runners slide easily and make a convenient cord wrap.

Radio Interference Eliminator-Assures excellent reception of regular broadcasts.

Delft Blue Baked-On Metaloid Finish on electrically welded steel shell.

Light Weight Wands 191/2 inches long. Rigid construc-

Thread-Picking, Non-Dragging, Super-Intake Carpet Nozzle-All-Metal swivel-no gaskets.

Streamlined Handle-More convenient carrying. 20 Foot Rubber Covered Cord-Non-kink, non-coil. One Piece Drawn Steel Motor Cap Chromium Plated.

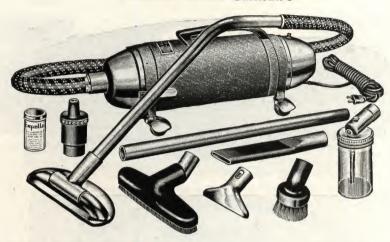
No. E65—Clean-Air Cleaner. For 115 volts A. C. or D. C. Size cleaner 24-inches long. 91/2 inches high, 71/2 inches wide. Weight cleaner only, 14½ pounds. Weight cleaner and attachments, packed, 33 lbs. Complete with 13 Attach-Dep't-1

1 or 2 VXAT

3 or more XIST

### CYLINDER TYPE CLEANER

### Hamilton-Beach Sanitaire



The Hamilton Beach Sanitaire is a cylinder type cleaner designed for "on the floor" and "above the floor" cleaning—cleans, dusts, sprays, etc. Its outstanding features include the Magic Finger Floor Nozzle, Suction Regulator, Four-Wheel Carriage with swiveled wheels in front and a swiveled wall and floor brush.

### Magic Finger Floor Nozzle

A duplex nozzle that gets both embedded dirt and surface litter. It's a "nozzle within a nozzle" that concentrates all the suction on a small area of the rug. Working automatically by a slight pressure on the extension tube, small fingers on the nozzle comb the rug fibres, loosen and pick up embedded dirt, hair, lint, threads and other clinging material. The main or outer nozzle is hinged and balanced so that it is always parallel with the floor in proper cleaning position and permits use under furniture as low as 1¾ inches from the floor.

### Suction Regulator

Suction regulating slots in the upholstery nozzle, straight extension tube and end of hose allow operator to control the volume of suction when cleaning lace curtains, lamp shades or other delicate fabrics on which extreme suction would be undesirable.

### Four-Wheel Carriage.

The cleaner rides on four, soft-tread, rubber wheels with swiveled wheels in front for easy handling. Swiveled wheels can be quickly locked to prevent cleaner from rolling when used on stairways.

### Floor and Wall Brush

A special swivel joint in the full rubber mounted floor and wall brush permits the entire extension tube to be lowered to three inches from the floor for cleaning under low furniture.

### -Specifications-

Powered with the Hamilton Beach motor of ½ horse-power. Full rubber mountings front and rear insure quiet, vibrationless operation. Forced draft insures cool operation. Precision ball-bearings, grease packed at the factory, need no additional lubrication. Rugged, toe-operated plunger type switch, 20-foot Underwriters' Approved, small diameter ribbed cord with unbreakable rubber plug and moulded rubber strain relief at cleaner end. Cord can be wrapped around handle when storing cleaner.

Filter or germ trap easily removed for cleaning. Large dust bag with rubber gasket seal allows the escape of air and retains the dust.

### ELECTRIC CLEANERS

### Hamilton Beach



Hamilton Beach cleaners provide the most efficient cleaning and years of trouble-free service. The motor-driven brush beats out embedded dirt and sweeps up surface litter. Strong suction lifts the rug to form a cushion of air between rug and floor-and whisks the dirt into the bag. This triple action lengthens rug life-restores beauty and freshness of color.

Here are features and quality you would expect to find only in a cleaner retailing from \$75.00 to \$87.50.

A light that throws brilliant illumination on the rug. No radio interference.

2-Speed Motor.

Ball-Bearing motor-no oiling.

Chromium handle and trim.

Toe-Action nozzle adjustment;

AND—Beating—Sweeping—Suction—a cleaning principle improved and perfected by Hamilton Beach over a period of 16 years.

### -Specifications-

Hamilton Beach Motor-No radio interference (on 10L Model only). Two-speed, 9,000 r.p.m. on super speed; 6,700 r.p.m. on regular speed, 1.4 amps. on regular speed. Operates on 105 to 120 volts AC or DC, 25 to 60 cycles. Special voltages, \$1.00 extra net. Motor never needs oiling; it is equipped with precision ball bearings.

Brush-Motor-driven beating brush. The bristles are selected and set for vigorous beating and sweeping action. Combined action of brush and suction cleans an area 14 inches wide at each stroke over the rug. Brush is "fool-proof" and cannot possibly be put in wrong. Finger tip adjustments for wear on the bristles is made without removing the brush.



Attachments for No. 10L Vacuum Cleaners

Definite Nozzle Adjustment-At last, here is a nozzle adjustment that is easy. Changed instantaneously with the hand or with the toe without stooping. 5 positions, giving exactly right adjustment for long or short nap rugs. No guess work as with screw type adjustments, each position is plainly marked. Only 71/4 inches high—goes under low furniture.

Chromium Plated Handle-Switch in handle for starting and stopping is at finger tips. (Switch for super speed or regular speed is on motor). Handle is automatically held in an upright position when not in use. Pressing down on handle tilts nozzle from floor-a great convenience in cleaning small or fringed rugs, in lifting the nozzle to pick up large pieces of paper, etc., and in rolling the Cleaner from rug to rug.

Rubber Cord-Full length (20 feet) with unbreakable moulded rubber plug. Approved by Underwriters.

Self-Lubricating Wheels—Insure quietness. Four wheel carriage designed especially for extreme ease of operation. Both rear wheels are swiveled-cleaner turns either way-rolls forward or backward almost without effort. Front wheels are back of nozzle, allowing rug to be lifted farther from floor.

Bag-Smart looking and well designed. Beautiful dark blue heavy material that retains its appearance of newness and cleanliness. Throat-flap at intake prevents dirt from falling out when bag is removed.

Light—(No. 10L Model Only). Throws excellent illumination on rug to help in cleaning dark corners and under furniture. Special bulb with filament anchored to sides materially increasing life of bulb. It withstands vibration resulting from beating action of brush.

Attachments— Shipping weight per set 4 lbs. Per set ..... No. 10—Extra Rubber Beits. This belt fits Model 10 H. B. Cleaners only. Per pair ..... Packed one pair to Envelope.

### ELECTRIC CLEANER







No. 80 Attachments

This DeLuxe model incorporates many features which will instantly appeal to the buyer who wants the best. It is extremely light in weight (only 12 lbs., 13 ozs.) which assures new carrying ease and fast tireless operation, yet it has full capacity—14 inch nozzle.

It is powered by the famous Hamilton Beach ball-bearing motor which is grease packed at the factory and needs

no additional lubrication. Bright, wide vision floor light ...Radio Interference Eliminator built into motor...Tiptoe nozzle adjustment...chromium plated handle...new accordion type bag...balloon type wheels with self-oiling bearings...and many other selling features identify the No. 14 as a quality product.

### -Specifications-

Motor—Powerful, oversized, ball-bearing motor. Operates on 110-120 volts D.C. or A.C. up to 75 cycles. Motor speed 9500 R.P.M. underload.

Bearings—Precision ball bearings insure many years of quiet, smooth operation. Motor shaft is high carbon steel, precision ground and polished.

Lubrication—The ball-bearings of the motor are grease packed at the factory and need no additional lubrication.

Wheels—Wider, balloon type wheels are a feature of the No. 14. They are 34 inch wide with soft tread for noiseless operation on hardwood floors. Will not track rugs. Selfoiling bronze bushings in all four wheels insure quietness and ease of handling. The front wheels are mounted three inches behind the center of nozzle, which permits the powerful suction to lift the rug freely to the nozzle.

Brush—Full width (11¼ in.) motor-driven beatingsweeping brush. Selected, high quality China bristles in a single row insure long wear and maximum beatingsweeping action with a minimum of wear. Adjustment for bristle wear is made with the finger-tips without removing the brush.

Nozzle Guard—A newly designed, heavily plated guard over the bottom of the nozzle insures a smooth, unbroken nozzle surface for maximum cleaning efficiency and ease of operation. Will not discolor light colored rugs by constant rubbing.

Nozzle Adjustment—A simple movement of the toe instantly changes the nozzle adjustment to any one of five positions for cleaning long or short nap rugs. It will not

slip out of adjustment, and there is no guess-work as with some screw type adjustments as each position is plainly indicated.

Handle—Chromium plated, insulated, steel tubing with curved rubber grip. Finger-tip switch for starting and stopping. Toe-operated lock on fork locks handle rigidly in low position for cleaning stairs. Handle can be lowered to floor for cleaning under furniture. Stop on handle fork provides for tilting of nozzle—a great convenience in cleaning small rugs or in rolling cleaner from rug to rug. A spring automatically holds handle in upright position when not in use.

Bag—New accordion type made of heavy, vat dyed, sun fast material scientifically developed to allow escape of air and retain dust. Smart looking and well designed. Wide opening mouth makes emptying easy and complete. Throat flap at intake prevents dirt from falling out when bag is removed. The bag throat collar mounts on the outside of the fan casing with a simple bayonet locking device. There is no chance for dirt or grit to get into the joint between the bag and casing to cause wear and dust leaks.

Rubber Bumper—Heavy rubber bumper prevents damage to furniture, baseboards or woodwork.

Cord—Full length (20 ft.) Underwriters' approved small diameter ribbed cord with unbreakable moulded rubber plug.

Light—Wide vision light for cleaning dark corners, under beds, in closets, etc. Uses special 25 watt lamp made expressly for vacuum cleaners.

No. 14—With Light and Radio Interference Eliminator. Weight packed, 14 pounds. Each

No. 80—Attachments for above. Weight per set, 4 pounds. Per set

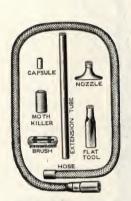
No. 8—Rubber Belts. Each

12

### ELECTRIC CLEANER

### Hamilton-Beach





No. 80 Attachments

A full-size, big capacity, 14 inch, motor-driven brush cleaner with remarkable lightness in weight for easy carrying and fast, tireless operation. It has all the noted Hamilton Beach construction features for thorough cleaning and long dependable service. It's a great cleaner value that sells on its merits at a price that attracts the most modest budget.

This new No. 12 is a "Natural" for the fast over-the-

counter sales. Extreme lightness of weight-demanded by housewives everywhere... Bigger capacity with new ease of handling and control... Beating-sweeping-suction for thorough cleaning...Precision, power and rugged simplicity for long dependable service...all backed by Hamilton Beach's 20 years of cleaner manufacturing experience—gives you a combination of strong selling points, high quality and low price.

### -Specifications-

Motor—Oversize armature gives great reserve power and low temperature rise. 24-bar mica insulated commutator. Operates on 110-120 volts, D.C. or A.C. up to 75 Cycles. Motor speed 9100 R.P.M. under load.

Bearings—Motor is equipped with improved sleeve bearings. Shaft is high carbon steel, precision ground and polished. Oversize graphite bronze bushings insure

smooth operation and long life.

Lubrication—The motor bearings have large oil reservoirs requiring oil only about every six months in ordin-

ary service.
Wheels—Four-wheel carriage designed specially for ease of operation. Wheels are ½ inch wide, hard rubber with graphited rubber bearings. The front wheels are mounted a full three inches behind the center of nozzle, which permits the powerful suction to lift rug freely to the nozzle.

Brush—Motor-driven, beating-sweeping brush. Full width (111/4 inches) with single spiral row of selected, highest quality China bristles insures long wear and maximum beating-sweeping action with a minimum of rug wear. Finger-tip adjustment for bristle wear is made without removing brush.

Nozzle Guard-A newly designed, heavily plated guard over the bottom of the nozzle insures a smooth, unbroken nozzle surface for maximum cleaning efficiency and ease of operation. Will not discolor light colored rugs by con-

stant rubbing.

Nozle Adjustment-Finger-tip control knob with indicator gives the right nozzle position for cleaning floor

No. 8—Rubber Belts. Each .....

coverings of any thickness. Adjustable to five positions from "low" to "high" in less than one turn of the adjustment knob. No prolonged twisting of the knob necessary.

Handle—Only 43½ inches long. Made of steel tubing, insulated, black enameled, and curved to fit the hand comfortably. Finger-tip switch for starting and stopping. Toe-operated lock on fork locks handle rigidly in low position for cleaning stairs. Handle can be lowered to floor for cleaning under furniture. Stop on handle fork provides for tilting of nozzle—a great convenience in cleaning small rugs or in rolling cleaner from rug to rug. Improved mounting of handle fork below center of gravity of cleaner gives easier operation. A spring automatically holds handle in upright position when not in use. No complicated pedals or latches to release.

Bag—New accordion type, smart looking and well designed. Wide opening mouth makes emptying easy and complete. Made of heavy material scientifically developed to allow escape of air and retain dust. Throat flap at intake prevents dirt from falling out when bag is removed. The bag throat collar mounts on outside of fan casing with a simple bayonet locking device. There is no chance for dirt or grit to get into the joint between bag and casing

to cause wear and dust leaks.

Rubber Bumper-Heavy rubber bumper prevents damage to furniture, baseboards or woodwork.

Cord—Full length (20 ft.) Underwriters' approved small diameter ribbed cord with unbreakable moulded rubber

Weight—Cleaner only, 12 pounds, 3 ounces.

No. 12—Hamilton Beach Cleaner. Weight packed 14 pounds. Each	\$29.95
No. 80—Attachments for above. Weight per set, 4 pounds. Per set	\$6.00

# Motor Brush Driven Vacuum Cleaners

### Universal



Model E830

New all the way through. Universal Motor-Driven Brush Vacuum Cleaners. Cleans to perfection by combining the vibrating, sweeping action of a revolving brush with the cleaning suction of a powerful motor. Striking design, new tobacco brown crackle finish, streamlined headlight, stand-out features and amazing low price makes it easy to sell. Motor-driven oilless bearing brush.
 Ball-hearing motor.

Ball-bearing motor.
Chrome handle and hardware.

Rubber handle grip.

Single nozzle adjustment.

Tilting device on side of handle bail

• Double patented rear swivel wheel.

Envelope type easy to empty bag.

Color tobacco brown, red lettering.

Rubber covered cord.

New streamlined headlight.

Motor housing and nozzle casting tobacco brown crackle finish.

Weight packed one in two cartons, 191/2 pounds.

No. 830—Floor Cleaner only.. Each ......\$29.95 Dep't-1 Less than 3 OJAT 3 or more OTJT



Model E145

### Motor Driven Brush Model E145 Specifications

Brush fitted with soft flexible pig bristles. Brush has removable oilless bearings, self-adjusting spring tension and is driven by belt connected directly with motor. AC-DC motor, 1/5 H. P. dynamically balanced, has minimum vibration. Push type positive acting switch, turns motor on and off at touch of finger. Tobacco brown hard wood handle streamlined to hold cord. Moldarta body. Color, tobacco brown. Rubber bumper to protect furniture against scratching. 15 ft. of brown rubber cord with unbreakable attachment plug. Net weight, 7 lbs. Shipping weight, 10 lbs.

No. 145—Hand Cleaner Only. Each ......\$16.95 Dep't-1 Less than 3 OSZX 3 or more OZOT

NO. 8302-Combination. Consists of No. 830 Floor Cleaner and No. 145 Hand Cleaner.

REGULAR RETAIL SPECIAL RETAIL .								39.95
Less than 3							 	 TEAX.

### ELECTRIC CLEANER Bee-Vac



Nothing to adjust, nothing to oil, nothing to tinker with. Just plug in, start the motor—and clean. It instantly and automatically finds its own adjustment on uneven floors or rugs of any thickness.

### -Specifications-

Beautiful Streamline Design.

Built Low to the Floor for easy cleaning under furniture.

Rear Tilting Feature: Should operator release the handle and leave machine running unattended, while moving furniture, the nozzle and revolving brush are automatically lifted from the rug.

Powerful High Speed Motor: Ball bearing, permanently lubricated, air cooled Universal Type. 110 Volt A.C. or D.C. (Can also be furnished in 32 volt.)

1/3 Greater Suction: The six bladed, heavy cast aluminum fan, together with the larger motor, develops over 1/3 more suction.

Cast Aluminum Nozzle: Light weight, highly polished, equipped with rubber furniture guard.

Built-In Spotlight. The highly efficient headlight in the cleaner nozzle is very useful for cleaning in dark corners and under furniture. Light hood protected with rubber bumper.

Motor Driven Brush: Ball bearing, rubber mounted, with metal covered sleeve.

Convenient Brush Adjustment to take up wear on bristles.

Dirt Bag: Plaited design. Specially woven, chemically treated, dustproof. Convenient spring and snap connection. Positive lock ring with seal-tite rubber gasket.

Chrome Plated Handle adjustable to three positions.
Rubber Hand Grip, convenient trigger switch and detachable connector plus

tachable connector plug.

Non-Kinking Cord: 20½ foot rubber covered, with rubber strain relief and spring action rubber plug.

Rubber Composition Wheels. Underwriters' Approved.

No. 400—BeeVac Self-Adjusting Cleaner. Net weight, 14½ pounds. Shipping weight 19½ lbs. Each . . . . \$39.50

### DELUXE CLEANING ATTACHMENTS



This complete set of handy tools provides mechanical and electrical aid for a wider variety of cleaning tasks—both above the floor and on it. They are easy to connect and use and make of your cleaner a complete home cleaning unit.

- 1—A 7 Ft. Flexible Hose. Has swiveled metal connection for easy insertion into machine.
- 2—Curved Hand Grip to fit in end of hose when using cleaning tools. The outer end is tapered for easy insertion into wands 3 and 4, or the tools.
- 3 and 4—Extension Wands. Both wands have one tapered end and one flared, so they may be connected together or used separately. Flared end fits over end of curved hand grip and tapered end fits into cleaning tools.
- 5—Swiveled Nozzle. For removing dust and embedded grit and upholstery, draperies, mattresses, auto interiors.
- 6—Upholstery Brush. Slides on to the swiveled nozzle (5) for removing clinging surface litter from drapes, upholstery, stair carpets, etc. Also for cleaning rough walls, fireplace screens and window screens.
- 7—Dusting Brush. Has long, soft bristles, for safe dusting of lamp shades, picture moldings, furniture and carvings.
- 8—Radiator and Crevice Tool. Very necessary for cleaning radiators, refrigerator coils, and other hard-toget-at crevices. (The soft rubber end of the hose itself may also be used in many places.)
- **9—Sprayer.** For spraying liquid wax, insecticides, rug shampoos, and for certain painting jobs, such as wicker furniture and window screens. (See special instruction sheet with sprayer.)
- 10—Moth-Proofer. For repelling moths and other insects, and for deodorizing.
- 11—Moth-Repelling Crystals. Used with the Moth-Proofer. These are Paradichlorobenzine crystals, one of the best chemicals for killing all stages of moth life, and for protecting fabrics against moth injury.

### **ELECTRIC CLEANERS**

Bee-Vac



A dependable, guaranteed, low priced, motor brush cleaner that meets and beats all competition, ¼ H. P. bronze bearing motor with perfected oiling system. Revolving brush driven by belt direct from armature shaft is reversible. Adjustment provided for wear on bristles. Adjustment knob on rear caster tilts nozzle to proper height for cleaning rugs of different types and thicknesses. Dust proof bag with wide opening adds to ease of emptying. One piece steel handle, highly polished aluminum and nozzle and motor casing. Nozzle equipped with furniture guard.

No. 333—Weight each, 12	lbs. Each	\$24.50
We DV Dubber Delte	Foob	<b>¢</b> 0.10

### CLEANING ATTACHMENTS



The attachments are easy to connect and use and make the BEE-VAC a complete house cleaning plant. The set includes: Flexible rubber hose with swiveled metal connection attached; 5 inch aluminum nozzle and 5-inch connecting tube, 5-inch brush which snaps on to nozzle, and a blower nozzle for cleaning radiators and grilles.

Every part of the BEE-VAC—motor and all—is fully guaranteed. Over half a million in use—some of them for nearly 30 years and still giving efficient service. Nationally advertised both in magazines and trade papers. Endorsed by the Board of Underwriters, Good Housekeeping, The Modern Priscilla and other testing laboratories.

BEE-VACS run on regular current of 110 volts D. C. or A. C., 60 cycles or less. Also made for 32-volt current for Farm Lighting Plants at the same price as 110 volts.

### FLOOR POLISHER AND FLOOR WAX

### Universal



Quickly Restore Floors to Their Original Beauty—Easy to Use— Reasonably Priced

Switch Control—Toggle Switch, placed at the finger-tips gives convenient control of motor.

Pistol Grip Handle—Easily and firmly held without cramping fingers. Black Japan Finish.

Finish—The handle and all exposed metal parts are chrome plated.

Brush—The tough Tampico bristle brush, 4½ inches in diamter and 5 inches wide will last a lifetime. It revolves on grease packed ball bearings which require no oiling.

No hand pressure is necessary as the "Universal" brush is of such a weight and so balanced that it exerts ample pressure on the floor at all times. The motor is supported by a felt roller which makes it easy to guide the polisher and also prevents marring of floor.

Brush revolves at right speed, is of proper weight for best results and rolls in a straight line, never zig-zagging.

Powerful Motor—Made by Landers, Frary & Clark and tested for 2,000 hours steady running. The drive between motor and brush consists of 2 woven belts held under tension by a spring which assures positive drive at all times. These belts will last for years.

Oiling—Two oil cups placed beneath the motor are easily removed with screw driver and should be filled once every month with a good grade of white vaseline.

Rigid Construction—Pressed steel frame is designed to withstand hard usage.

Connecting cord—Flexible, tested cord 25 feet long gives ample radius for all rooms. The cord locking device below the switch minimizes connection breakage.

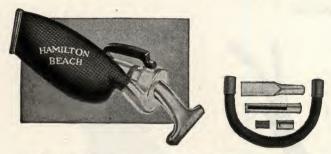
Guarantee—The Universal Electric Floor Polisher is guaranteed against defects of material or workmanship (except cords and plugs) for One Year from date of purchase. Any part proving defective will be replaced or repaired at the company's option. Guarantee applies only when Polisher is used for home use; when operating directions have been followed; when no attempt at repair or alteration has been made by anyone other than a specially authorized agent of the Company.

Sheep Skin Mop—Cover is washable and easily replaced by lifting two clamps. Shellaced wood handle not affected by oil or polish.

No. E711—Floor Poisser. Packed one in a wooden case with mop and 1 lb. paste wax and 1 pint liquid wax. Weight packed complete 24 pounds. Weight of polisher only 17 pounds. Each. \$29.50

### ELECTRIC CLEANERS AND FLOOR POLISHERS

### HAMILTON BEACH HAND VACUUM CLEANER



The latest idea in cleaning efficiency—a small cleaner to take the place of big cleaner attachment. Provides a complete protection for overstuffed furniture from moths the same as the motor-brush cleaner attachments.

Here for the first time are extension attachments for cleaning with a Hand Cleaner. For cleaning radiators, cold-air registers. crevices of overstuffed furniture, etc. Other small cleaners clean only the surface of davenports and chairs. Their nozzles are not the right shape for getting in folds and crevices where moths start.

#### GREATEST SUCTION

12 inch vacuum on "U" tube water lift test.

### MOST POWERFUL MOTOR

At working speed on brake test, it develops more power than ave other leading hand cleaners tested.

### LARGEST BAG

Unique design of bag gives 131.25 square inches of bag material. This has from 10% to 50% more area than that of other small cleaner bags. The greater the area of the bag, the better the air escapement and greater the claning power without dust leakage.

### EXPELLO MOTH KILLER

After cleaning, the blower attachment forces Expello into the crevices and corners. Expello is a finely pulverized substance like sugar-not liquid-no spraying-no mussing. It's a strong repellent that keeps moths away. Complete directions furnished

Hamilton Beach Hand Vacuum Cleaner-Weight each, pounds. Each .....\$16.00 Set of Attachments-Including moth proof unit. Weight, per set — lbs. Per set ......\$3.00

### IMPROVED HOUSEHOLD MODEL Johnson



The Improved Household Electric Floor Polisher succeeds the Household model of which more than 200,000 are now on the market. Mechanically finer in every way. Weighs only 11 pounds yet hugs the floor. Polishes the floor ten times faster than hand methods. Has polishing capacity of 1500 square feet per hour. Takes all the work out of keeping floors beautiful.

Johnson's Improved Household Electric Floor Polisher runs itself; it need only be guided. It goes around and even under low furniture. It runs from a light socket at a cost of 11/2 cents an hour. Anyone can operate it.

Equipped with Dumore Universal motor which operates on 110-120 volts AC or DC, 25-60 cycles. Can be supplied for special voltages.

Ball bearing motor and drive are completely enclosed in cast aluminum housing. Convenient trigger switch in handle. Chromum finish. 25-foot cord.

Improved Household Polisher-Brush size, 61/2 inches. Weight each, 11 pounds. Each ......\$49.50

# New/ SIMPLIFIED, EFFORTLESS COOKING



### 100% EASIER BECAUSE

REALLY MODERN—The most wonderful development in electric range history. An electric range surface switch with not 3—not 5—but 1000 cooking heats. This NEW Vari-Speed switch is what homemaker's have wanted but never could get.

NO NEW METHODS—All this talk about learning to cook anew becomes a myth with Vari-Speed. Cook as you always have. No new methods to adopt—new rules to learn, no habits to change. No special cooking utensils necessary. The easy way to cook electrically.

FINGER-TIP CONTROL—Exact degree of heat desired is ALWAYS within user's control and discretion. Prevents over-cooking, too vigorous cooking, or spillovers.

### 20% MORE ECONOMICAL BECAUSE

NO LIMITS TO HEAT—The dial span of the Vari-Speed switch offers varied control—from a heat LOWER than has EVER been possible before on an electric range to intense searing heat—PLUS every fine shading of heats between.

proof—based on careful laboratory and field study. Exhaustive L&H Vari-Speed switch tests indicate economies from 20% to 80% because of exact compensation of heat for large or small food quantities. Avoids needless heat waste.

# THE PHANTOM BRAIN OF THE L. & H. SUPER OVEN MAKES BAKING EASIER, MORE DELIGHTFUL.

### Multimatic Oven Control

Amazing
Dependable
No Guessing

Convenient Step-Saving Easy to Use

### THREE EASY STEPS

Multi-Matic performs true cooking "magic." It simplifies baking and roasting, takes the guesswork out of cooking. Is fool-proof—because it is automatic. Just set the dial. From then on Multi-Matic completely controls the oven.

Has twin pilot lights—"Bake" and "Broil." A new feature for baking convenience.



### AUTOMATIC PREHEAT

To preheat the oven, turn Multi-Matic control all the way through to "Broil." Both "Bake" and "Broil" pilot lights will come on—then, immediately—



### AUTOMATIC BAKE

Turn the Multi-Matic dial back to the required baking temperature. When the oven has reached this temperature, both pilot lights will go off. While the food cooks, the "Bake" light will cycle on and off, showing that most of the baking is being done on "free heat."



### AUTOMATIC BROIL

For broiling, Multi-Matic control should be turned directly to "Broil" and left there.

### SEE YOUR OVEN IN ACTION

With the ClearView glass oven door "peeking" and "baking jitters" are banished forever. Thick panes of clear, heat-proof glass, snugly fitted in the oven door, with an insulating dead-air space between, afford a full view of the oven interior. Double insurance against baking failures. A glass oven door avoids the fuel waste caused by "peeking," and eliminates the need for opening the oven door and chilling the oven. A glimpse through the door tells that "all is well."

Cleaning, also, is easy. The glass panelled door requires no more care than an ordinary oven door.



Recessed Oven Light



Clearview Glass Oven Door

### ELECTRIC LIGHT IN OVEN

— a great help for dull days, early morning or late afternoon cooking. Fool-proof, heat-proof, and break-proof. Operates with the oven door open or closed. A delightful feature with real economy value when on ranges with glass door. Controlled by a dependable switch conveniently located in the backguard. A regular 25-watt light bulb completely illuminates the oven. No oven space wasted — the oven light is recessed. A heavy translucent glass lens protects the bulb from breakage. Easy lamp replacement.

# BETTER BAKING—BETTER ROASTING WITH EQUALIZED HEAT L. & H. Super "5000" Oven

SUPER CAPACITY — SUPER PERFORMANCE

Oven performance beyond your greatest expectations

#### SUPER CAPACITY

A full 17 inch high oven with ample room for every baking need — and more. Spacious in width and depth with a generous choice of baking positions. Four average layer cakes, or six average loaves of bread, or a meal for a good-sized family fit the oven comfortably — with room to spare. Efficiently designed and economical for small bakings, too! Practical for those space-demanding holiday cooking sprees.

### SUPER PERFORMANCE

Perfected roasting — magnificent baking — so perfectly does this oven perform that it almost seems like "magic." Fluffier cakes, flakier pies, crisper cookies, juicier roasts with less shrinkage — the best foods taste better prepared in the L&H Equalized Heat oven. The best cook can turn out better cooking with less effort and more genuine pleasure.



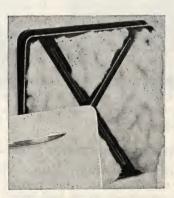
Economical Over - Size Oven — Full 17 Inches High—Extra Deep



EASILY REMOVABLE OVEN UNITS — Upper and lower units designed so removal is quick safe, easy. Simplifies cleaning. Guides provide easy replacement of units to proper position.



NON-TILT OVEN RACKS
—Strong, nickel-plated. Built
to support heavy loads without sagging or bending. Safe
—may be pulled out to almost full-length — "lock
stop" prevents tilting.



FIBERGLAS INSULA-TION — OVEN DOOR and ALL sides of oven heavily insulated. Keeps heat inside the oven—avoids waste saves electricity. Assures comfortable baking always.

MORE BAKING SPACE—Full 17 inch height combined with generous width and depth provides over 5,000 cubic inches. Approximately 29% larger than ordinary oven size. More economical—makes possible more baking at a time.

EQUALIZED HEAT—For better baking—better browning—more space for whole meal cooking. Provides proper distribution of heat from bottom and top elements. Entire oven constitutes "Baking Zone."

### **SMOKELESS BROILER**



Full Width, Self-Supporting Non-Tilt Smokeless Broiler

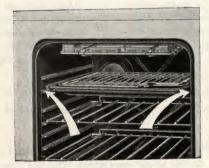
NON-TILT BROILER PAN—Makes it delightfully easy to turn foods being broiled. Avoids struggling with a hot broiler pan sliding, slipping, or spilling. Broil quickly and safely with this improved pan and rack which slides out smoothly along a track to three-fourths of its length and then locks securely into position.

**SPECIAL BROILER GRILL**—Slotted chrome or porcelain broiler grill permits ready drainage of fats, yet prevents small foods from crumbling, sagging, or falling through to broiler pan.

RESTRICTED BROILING ZONE—the full width, selfsupporting broiler pan extends to the sides of the oven, slides on same track as oven racks. Traps all the heat above, prevents waste of heat below. Concentrates broiling heat on food.

### WARMING SPACE

All the space below the broiler pan may be used to keep the rest of the meal hot while meat is broiling.



### FASTER

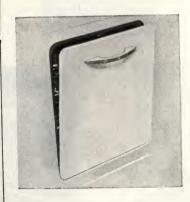
### TASTIER

### EASIER

#### More Healthful and Nutritious

Inspiring menu masterpieces—perfect golden brown juicy steaks—crisp broiled sandwiches—luscious broiled meals. The L&H broiler turns out each in a jiffy—perfectly—and with ease. At the turn of the switch there's the instant red hot glow of the wide, evenly spaced broiling coils.

Every requisite necessary for good cooking, comfort, convenience and economy is built into the L&H broiler. Extra size pan for quantity broiling, spatter protection, easy cleaning, searing heat to preserve flavor. Any woman will enjoy the comfortable, waist-high position of the broiler—no bending or stopping. She will marvel at the high-speed broiler unit—be delighted with the smokeless broiling—exclaim over the unusual non-tilt broiler pan.



### SPATTER PROTECTION

The large broiler pan which frames the broiler grill extends across the FULL WIDTH of the oven. Keeps fat from spattering all over the oven. Keeps oven racks clean.

### BROIL STOP

On oven door. An aid to correct broiling. Holds oven door slightly ajar while broiling to allow better browning — prevents smoking. Assures better broiling.

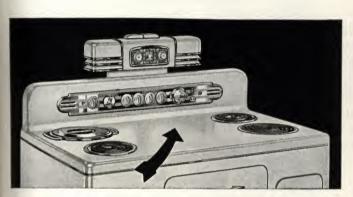
### MORE SPACE FOR BROILING

- \* Space for an extra steak
- \* A few more chops
- \* An extra sandwich
- ★ More economical
- ★ Broils more food at a time the same amount of current.

## DELUXE MODEL LUXURY FEATURES ADD TO COOKING PLEASURE COST SO LITTLE—MEAN SO MUCH—SAVE TIME

EFFICIENCY COOKING TOP—a spacious center work area scientifically designed for practical use and efficiency. All switches and controls are centrally grouped in adjacent position to the table top work space—safely located beyond children's reach. Comfortable access to each unit from central work position. No crowding of utensils.

For those who prefer, there is a DeLuxe model with conventional GROUPED TOP—surface units at the end of the roomy cooking platform.



One-piece Top



Broiler Storage



Skillet Rack



Warming Drawer



Removable Drip Pan



Cutlery Drawer

ABUNDANT STORAGE SPACE—for everyday utensils. On either side of the centrally located oven of certain DeLuxe models are twin storage compartments. Doors swing out for easy access. A SKILLET RACK in the left compartment has sliding hooks upon which to hang large skillets and pans. Increases storage capacity. An EXTRA SHELF in the right compartment provides extra storage space.

REMOVABLE DRIP PANS — Every range is equipped with easy-to-get at porcelain drip pans. Each pan removable completely for cleaning. EASILY CLEANED ONE-PIECE TOP—All porcelain, smooth, crevice-free. No corners for grease or dirt to lodge in. Saves time and work in cleaning.

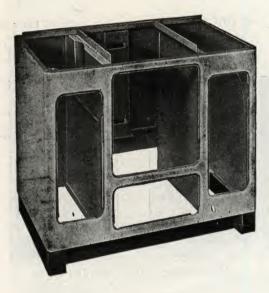
USEFUL WARMING DRAWER—DeLuxe models have a roomy warming drawer located under the oven. A separate 250-watt unit controlled by an easily reached toggle switch provides the necessary heat. Ideal for heating plates, proofing yeast dough, keeping foods warm.

..ROOMY CUTLERY DRAWER—Just the place to keep often used cutlery. Conveniently located in the upper part of the right hand storage compartment.

AUTOMATIC APPLI-ANCE OUTLET—A handy place to plug in small appliances, etc. When the range is equipped with a Timer this same outlet becomes automatic. The outlet and the oven may then be used automatically, separately or together. "Twin" automatic use is yours at all times. For large families or when entertaining this is an advantage.

CONVENIENT BROILER STORAGE—The left utility compartment is equipped with a bracket for storing the broiler pan and rack vertically against the wall—takes up a minimum of space.

### L & H ELECTRIC RANGES



### ONE-PIECE BODY

A range that looks and IS more substantially built . . . CLEANER ... because there are no cracks for cooking grease to lodge in ... MORE ATTRACTIVE DESIGN . . . Smooth, unbroken surfaces result in simpler, more harmonious design . . . Retains style longer. BETTER CONSTRUCTION . . . This one-piece construction is found only in better ranges—an indication of quality itself. One-piece body makes possible complete PORCELAIN finish on the inside as well as the outside prevents rusting, prolongs life of range.



### FIBERGLAS INSULATION

To cut cooking costs and hold the heat in the oven, thus keeping the kitchen comfortable-Fiberglas-the improved insulating material—is used in all L&H Electric Ranges.

Made like glass, Fiberglass is chemically stable, free from odors, sterile, resistant to acids, fireproof, moisture proof, vermin proof.

Fiberglas is refined and drawn into long, intertwined fibers which are gathered to form a resilient, non-sagging blanket of desired thickness and density-bringing a new standard of superiority to steadiness of oven heat.





### DeLuxe model equipment. Cooker pot and trivet ONLY furnished on certain lowcost models.



### DOZENS OF EVERY-DAY USES

Useful? Always—every day—many ways. The Cooker is so flexible—so practical—so helpful at unexpected moments. Here are a few of its many delightfully practical uses . . . As a giant saucepan for a quantity of vegetables or a one-meal dish for the "crowd" . . . As a French fryer—cooker pot and basket may be used on a surface unit. Its depth makes it safe for deep fat cookery. The smooth basket is a convenient aid in removing fried foods from the hot fat—and also is unusually easy to clean . . . As a steamer for puddings, brown bread, vegetables . . . As a tenderizer for meats . . . As a sterilizer for jelly glasses, babies' bottles.



For Whole Meals

### SAVE TIME AND MONEY WITH THE HANDY COOKER

### New Menu Zest—New Economy— New Kitchen Thrills

A streamlined version of grandmother's back-stove thrift kettle. This satin-smooth aluminum 6-quart cooker pot with 1 quart inset pan and sanitary perforated basket is, indeed, an open sesame to new adventures in cooking exciting new meals.



As a Steamer



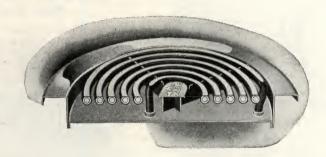
Also Tenderizes Meat

**SAVES TIME**—Because it can cook several foods at once—a dessert and complete meal—free time-consuming dishes of tiresome pot-watching—or steam several vitamin-rich vegetables without intermingling of flavors.

SAVES MONEY—Always a welcome advantage. The Handy Cooker is designed for top efficiency and super economy. Equipped with a genuinely low wattage unit so that TRUE economy is assured. This low wattage unit requires such a gentle flow of current that long period cooking is practical and economical.

IMPROVES MANY FOODS—The gentle, steady heat of the cooker works wonders with many foods—develops richer, fuller flavor—smoother, more tender texture. Humble, low-cost meat cuts, so rich in food value, are transformed into flavor-rich, butter-tender menu masterpieces. Result—many a food dollar can be saved.

### T-K MULTI-SPEED UNITS



The above sectional view shows the flattened coils which provide greater contact with utensils, facilitating direct and speedy transfer of heat for rapid cooking of food and conservation of the greatest amount of heat for cooking service.

L & H Thermiser Heetube units bring faster cooking and longer life—They are All The Multi-Speed Type—The feature that used to be considered a luxury is now available as Standard Equipment on L&H Electric Ranges.

### Ranges using 5 Heat Switches produce following results:

 Top-Speed—Intensely hot for sauteing, braising, and fast starts.

> Small Unit 1300 Watts. Large Unit 2200 Watts.

- Half-Speed—For boiling, frying, stewing, steaming.
   Small Unit 650 Watts.
   Large Unit 1100 Watts.
- Quarter-Speed—For cooking dried vegetables or fruit, continued steaming or slow frying.

Small Unit 325 Watts. Large Unit 550 Watts.

Thermiser can be heated to an almost white heat—then doused into freezing water, without being harmed. Although the average user would never subject Thermiser to so severe a treatment, the fact that it can withstand even such extreme temperature changes is proof of its strength and durability. Boiling over of foods and

Low—Simmering speed for omelettes, soups, welsh rarebits, steaming.

Small Unit 160 Watts.

Large Unit 275 Watts.

5 Warm—Low heat—the proper temperature for keeping foods warm.

Small Unit. 80 Watts.

Large Unit 135 Watts.

eat— liquids, water, steam moisture—nothing will injure rmed.

Thermiser. Impervious to rust, corrosion, extremes of temperature.

To clean Thermiser, Lift, Turn slightly, Wipe underneath, Lower and brush up rim.

No. 631—1300 Watt Single Coil Unit for Vari-Speed Switches. 7%-inch rim diameter. Each	8.00 AVA
No. 632-9—2200 Watt Single Coil Unit for Vari-Speed Switches. 103%-inches rim diameter. Each	10.75 TOT
No. 613—1300 Watt Double Coil Unit for 5 Speed Switches. 7%-inches rim diameter. Each	8.00 AVA
No. 622-9—2200 Watt Double Coil Unit for 5 Speed Switches. 103%-inches rim diameter. Each	10.75 TOT



# FREE! New Carefree Leisure EXTRA! Kitchen Freedom.

### TRIPLE AUTOMATIC TIMER

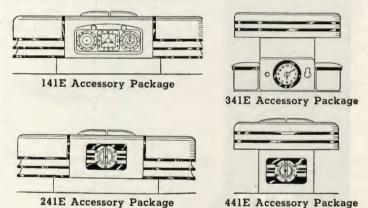
The 3-way Time Control and Selector Switch on Model 8808B—the Sheridan—provides an automatic oven, an automatic Handy Cooker and surface unit, or an automatic outlet for small appliance use. Just think! delicious meals from the oven, soups, cereals, vegetables, or puddings from the cooker, or fragrant coffee from the percolator—each timed for readiness when needed, started—stopped—cooked by the clock.

### "TWIN" LEISURE

All other L&H electric ranges when equipped with Time Control offer the double advantage of having the oven as well as the appliance outlet automatic. Both may be used automatically **together** for the same period of time. Either is available for individual automatic use at any time. What an advantage this is for large families—for entertaining—or when busy. A full oven in action—or a heater, percolator, roaster, or casserole plugged in the utility outlet may be automatically timed. Increases kitchen freedom—automatic use.

### ACCESSORY GROUPS TO SUIT EACH LEISURE NEED

A choice of various attractive accessory combinations. A complete automatic assembly, a minute minder, or lamp and condiment set only. Each group styled to add beauty to the range. Planned for every family need, every budget.



241E ACCESSORY PACKAGE—Also a twin chrometrimmed lamp assembly with built-in Minute Minder only. Condiment set fitted in housing of Minute Minder. Fits Models 8807B, 8811B, 8810B, 8850B. Height above backguard, 61/s inches. Each \$10.00

441E ACCESSORY PACKAGE — A smart single, chrome-trimmed lamp, mounted on standard. With built-in Minute Minder. Condiment set fits neatly in standard behind lamp. For models 8807B, 8811B, 8810B, 8804B, 8803B, 8850B. Height above background—7½ inches.

541E ACCESSORY PACKAGE—With single, chrome-trimmed lamp only. Has condiment set mounted on standard back of lamp. No Minute Minder furnished. For models 8807B, 8811B, 8810B, 8804B, 8803B, 8850B. Height above backguard, 7½ ins. Each ......\$4.00 Dep'1-5

# L & H ELECTRIC RANGES The Sheridan DeLuxe Model



No. 8808B—White porcelain enameled. Twin Lamp with Built-in Combination Time Control and Minute Minder. Three-way Selector Switch automatically turns on and off the oven, appliance receptacle, and the Handy Cooker and left front unit. Three TK Multi-Speed single coil units, VARI-SPEED switches with indicating switch handles

New "5000" Hi-Broil Super Oven with Equalized Heat. Multi-Matic oven temperature control. Inner oven light, two oven units, smokeless chrome broiler rack. One-piece wrap-around body. One-piece acid resisting porcelain Efficiency top and backguard with chrome panel. Decorative chrome strip around cook top edge. Fiberglate oven insulation. Warming drawer. Twin storage compartments with broiler storage, skillet rack, and cutlent drawer. Appliance receptacle.

STANDARD EQUIPMENT: Twin Lamp, Built-in Combination Time Control and Minute Minder, Three-way Selector Switch, Condiment Set.

OPTIONAL EQUIPMENT: Clear View Glass Panel Oven Door,

## L & H ELECTRIC RANGES The Sheridan DeLuxe Model

For Alternating Current Only-3 Wire Service.

Floor Space, 40½x26½ in.; Cooking Top, 40½x22¾ in.; Cooking Height, 36 in.; Total Height, 42 in.; With Lamp, 48¼ in.; Oven Size, 16 in. wide, 17 in. high, 19¼ in. deep; Right Compartment, 10 in. wide, 24 in. high, 19 in. deep; Left Compartment, 10 in. wide, 23 in. high, 19 in. deep; Warming Drawer, 15 in. wide, 5¼ in. high, 17 in. deep; Approximate Shipping Weight, 285 lbs.

Appliance Receptacle Circuit, 660 Watts; Warming Drawer Unit, 250 Watts; Oven Units: "Preheat," 4400 Watts; "Equalized," 2250 Watts; "Broil," 2600 Watts.

### SURFACE UNIT EQUIPMENT AND WATTAGE

Left front—
No. 631 Multi-Speed Unit ... 73%" Rim Dia. 1300 Watts

Left rear—
No. 8E Handy Cooker ..... 93%" Rim Dia. 800 Watts

Right front—
No. 632-9 Multi-Speed Unit . 93%" Rim Dia. 2200 Watts

Right rear—
No. 631 Multi-Speed Unit ... 73%" Rim Dia. 1300 Watts

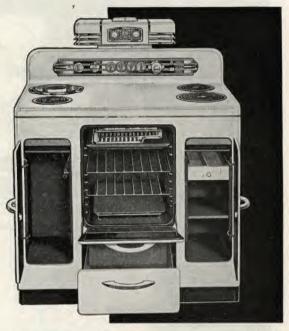
Maximum Connected Wattage 10910 Watts.

**CONSTRUCTION:** One-piece wrap-around body. Flat Back fits flush against wall. One-piece top and backguard of acid resisting porcelain enamel.

**FINISH:** White porcelain enamel with durable black base. Porcelain enameled oven lining. Lacquer finished compartment door linings and warming drawer. Chrome panel on backguard and decorative chrome strip around cook top edge.

WIRING: Surface units are controlled by new VARI-SPEED switches, providing complete shading of heat from maximum to minimum intensities. Handy Cooker also has VARI-SPEED control. Switches, including 3-way selector switch, new MULTI-MATIC oven temperature control with pilot lights, appliance receptacle toggle for oven light and surface unit pilot light are in background. Combination Time Control and Minute Minder built in lamp panel. Efficiency cooking top.

**OVEN:** New "5000" Hi-Broil Super Oven—extra large, providing approximately 5,000 cubic inches of space. Top and bottom oven units. High wattage baking unit at bottom with low wattage equalizing heat in top oven



unit. High intensity broiling coil in top unit. MULTI-MATIC oven temperature control. Oven vent through backguard. FIBERGLAS blanket insulation. New, double-acting spring cam counter-balancing oven door, recessed into range front. Heavy, non-tilt oven racks with lock stops.

**BROILER:** Non-tilt porcelain enameled broiler pan with polished chrome smokeless broiler rack. Waist-High broiler—no stooping.

STORAGE COMPARTMENTS: Twin storage compartments, flanking oven, provide space for housing frequently used utensils. Left compartment has space for storing broiler pan and rack when not in use and skillet rack. Right compartment has cutlery drawer and extra shelf.

**WARMING DRAWER:** On roller bearings with separate toggle switch for warming unit.

**ELECTRIC OVEN LIGHT:** Operated by a toggle switch conveniently located on backguard. Snapped on and off at will. Lamp is outside the heat zone. Provides ample illumination of the oven interior.

No. 8808B—Complete with standard equipment as follows: No. 141E Accessory Package consisting of Twin Lamp, Built-in Combination Time Control and Minute Minder, Condiment Set. No. 8E six-quart Handy Cooker is complete with two-quart inset pan and French fry basket. Three-way Selector Switch for automatic control of oven, appliance receptacle and Handy Cooker and left front unit. Approximate shipping weight 285 pounds. Each, \$209.95

### -Optional Equipment-

# L & H ELECTRIC RANGES The Crestwood DeLuxe Model



Shown With Accessory Package No. 141E

No. 8807B—Sleek, smooth lines distinguish this modern kitchen beauty. White porcelain enamel finish. Three TK Multi-Speed single coil Units and Handy Cooker controlled by VARI-SPEED switches with indicating switch handles.

New "5000" Hi-Broil Super Oven with Equalized Heat—MULTI-MATIC oven temperature control, inner oven light, two oven units, smokeless chrome broiler rack. One-piece wrap-around body. One-piece acid resisting porcelain enamel Efficiency top and backguard with chrome panel. Decorative chrome strip around cook top edge.

FIBERGLAS oven insulation. Warming drawer. Twin storage compartments with broiler storage, skillet rack and cutlery drawer. Appliance receptacle connected to automatic timer circuit.

OPTIONAL EQUIPMENT: Accessory Package 141E, 241E, 341E, 441E, or 541E. Clear View Glass Panel Oven Door.

# The Crestwood DeLuxe Model

For Alternating Current Only-3 Wire Service.

Floor Space, 401/2x261/2 in.; Cooking Top, 401/2x223/8 in.; Cooking Height, 36 in.; Total Height, 42 in.; Oven Size, 16 in. wide, 17 in, high, 1914 in, deep; Right Compartment, 10 in, wide, 24 in. high, 19 in. deep; Left Compartment, 10 in. wide, 23 in. high, 19 in. deep; Warming Drawer, 15 in. wide, 51/4 in. high, 17 in. deep; Approximate Shipping Weight, 280 pounds.

Appliance Receptacle Circuit, 660 Watts; Warming Drawer Unit, 250 Watts; Oven Units: "Preheat," 4400 Watts, "Equalized." 2250 Watts: "Broil," 2600 Watts.

# SURFACE UNIT EQUIPMENT AND WATTAGE

Left front-No. 631 Multi-Speed Surface Unit . 73%" Rim Dia. 1300 Watts No. 8E Handy Cooker ...... 93/8" Rim Dia. 800 Watts No. 632-9 Multi-Speed Surface Unit 93/8" Rim Dia. 2200 Watts No. 631 Multi-Speed Surface Unit.. 73%" Rim Dia. 1300 Watts

CONSTRUCTION: One-piece wrap-around body. Flat back fits flush against wall. One-piece top and backguard of acid resisting porcelain enamel.

Maximum Connected Wattage 10,910 Watts.

FINISH: White porcelain enamel with durable black base. Porcelain enameled oven lining. Lacquer finished compartment door linings and warming drawer. Chrome panel on backguard and decorative strip around cook top

WIRING: Surface units are controlled by new VARI-SPEED switches, providing complete shading of heat from maximum to minimum intensities. Handy cooker also has VARI-SPEED control. Switches, new MULTI-MATIC oven temperature control with pilot lights, appliance receptacle, toggle for oven light and surface unit pilot light are in backguard. Appliance receptacle wired to timer circuit—automatic when time control is used. Efficiency cooking top.

OVEN: New "5000" Hi-Broil Super Oven-extra large, providing approximately 5000 cubic inches of space. Top and bottom oven units. High wattage baking unit at bottom with low wattage equalizing heat in top oven unit. High intensity broiling coil in top unit. MULTI-MATIC

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Dep't-5



oven temperature control. Oven vent through backguard. FIBERGLAS blanket insulation. New, doubleacting spring cam counter-balancing oven door, recessed into range front. Heavy, non-tilt oven racks with lock

BROILER: Non-tilt porcelain enameled broiler pan with polished chrome smokeless broiler rack. Waist-High broiler—no stooping.

STORAGE COMPARTMENTS: Twin storage compartments, flanking oven, provide space for housing frequently used utensils. Left compartment has space for storing broiler pan and rack when not in use, and skillet rack. Right compartment has cutlery drawer and extra

WARMING DRAWER: On roller bearings with separate toggle switch for warming unit. Under centrally located oven.

ELECTRIC OVEN LIGHT: Operated by a toggle switch conveniently located on backguard. Snapped on and off at will. Lamp is outside the heat zone. Provides brilliant illumination of the oven interior.

Dep't-5 XVESO

OPTIONAL EQUIPMENT at slight additional cost: Each List No. 141E ACCESSORY PACKAGE ..... . \$20.00 OVSA Dep't-5 No. 241E ACCESSORY PACKAGE 10.00 OST Dep't-5 No. 341E ACCESSORY PACKAGE 12.00 7 Z S NO. 441E ACCESSORY PACKAGE ..... 6.50 Dep't-5 AVA 4.00 No. 541E ACCESSORY PACKAGE XOT 5.00 No. \$47—Clear View Glass Oven Door. Extra over regular price of range. Each..... VSA

# L & H ELECTRIC RANGES The Shelby DeLuxe Model





Shown With Accessory Package No. 141E

No. 8811B—Pride of the discriminating homemaker! Tastier, more wholesome meals for her family. Three TK Multi-Speed single coil Units and Handy Cooker controlle d by new VARI-SPEED switches with indicating switch handles—offering wide variety of heat intensities.

New "5000" Hi-Broil Super Oven with Equalized Heat—MULTI-MATIC oven temperature control, INNER oven light, two oven units, smokeless chrome broiler rack. One-piece wrap-around body. One-piece acid resisting porcelain enamel top and backguard with smart chrome strip a round edge of cook top. FIBERGLAS oven insulation. Three service drawers—one a warming drawer. Appliance Receptacle connected to automatic timer circuit.

OPTIONAL EQUIPMENT: Accessory Package 141E, 241E, 341E, 441E, or 541E. Clear View Glass Panel Oven Door.

Left front-

# L & H ELECTRIC RANGES The Shelby DeLuxe Model

For Alternating Current Only-3 Wire Service.

Floor Space, 385%x26½ in.; Cooking Top, 385%x223% in.; Cooking Height, 36 in.; Total Height, 42 in.; Oven Size, 16 in. wide, 17 in. high, 19¼ in. deep; Warming Drawer, 15 in. wide, 5¼ in. high, 17 in. deep; Service Drawers, 15 in. wide, 5¼ in. high, 17 in. deep; Approximate Shipping Weight, 265 lbs.

Appliance Receptacle Circuit, 660 Watts; Warming Drawer Unit, 250 Watts; Oven Units: "Preheat," 4400 Watts; "Equalized," 2250 Watts; "Broil," 2600 Watts.

# SURFACE UNIT EQUIPMENT AND WATTAGE

**CONSTRUCTION:** One-piece wrap-around body. Flat back fits flush against wall. One-piece top and backguard of acid resisting porcelain enamel.

**FINISH:** White porcelain enamel with durable black base. Porcelain enameled oven. Lacquer finished service drawers and warming drawer. Decorative chrome strip around cook top edge.

WIRING: Surface units are controlled by new VARI-SPEED switches, providing complete shading of heat from maximum to minimum intensities. Handy Cooker also has VARI-SPEED control. Switches, new MULTI-MATIC oven temperature control with pilot lights, appliance receptacle and toggle for oven light are in backguard. Appliance receptacle wired to timer circuit—automatic when time control is used. Surface unit pilot light in main front.

**OVEN:** New "5000" Hi-Broil Super Oven—extra large, providing approximately 5000 cubic inches of space. Top and bottom oven units. High wattage baking unit at bottom with low wattage equalizing heat in top oven unit.



High intensity broiling coil in top unit. MULTI-MATIC oven temperature control. Oven vent through backguard. FIBERGLAS blanket insulation. New, double-acting spring cam counter-balancing oven door, recessed into range front. Heavy, non-tilt wire oven racks with lock stops.

**BROILER:** Non-tilt porcelain enameled broiler pan with polished chrome smokeless broiler rack. Waist-High broiler—no stooping.

SERVICE DRAWERS: Two service drawers. Convenient for storing frequently used utensils, saving many steps daily.

**WARMING DRAWER:** Under oven with separate toggle switch for warming unit.

**ELECTRIC OVEN LIGHT:** Operated by a toggle switch conveniently located on backguard. Snapped on and off at will. Lamp is outside the heat zone. Provides brilliant illumination of the oven interior.

# For Alternating Current Only-3 Wire Service.

OPTIONAL EQUIPMENT at slight additional cost:	Each List
No. 141E ACCESSORY PACKAGE	OVSA
Dep't-5	\$20.00
No. 241E ACCESSORY PACKAGE	est
Dep'1-5	10.00
No. 341E ACCESSORY PACKAGE	7 Z S
No. 341E ACCESSORY PACKAGE  No. 441E ACCESSORY PACKAGE	12.00
No. 441E ACCESSORY PACKAGE	6.50
Dep't-5	۸٧٨
No. 541E ACCESSORY PACKAGE	4.00
Dep'1-5	XOT
No. S47—Clear View Glass Oven Door. Extra over regular price of range. Each	5.00
Dep't-5	VSA

# L & H ELECTRIC RANGES The Savoy Standard Model



Shown with Accessory Package No. 341E

No. 8810B—Style and convenience all in one beautiful range. Retains desirable features of most elaborate models. White porcelain enamel finish. One-piece wrap-around body. One-piece acid-resisting porcelain enamel top and backguard. Three 5-Heat TK Multi-Speed Units and Handy Cooker controlled by 5-Heat switches with indicating switch handles. Appliance Receptacle connected to automatic timer circuit.

New "5000" Hi-Broil Super Oven with Equalized Heat—Wilcolator temperature control, INNER oven light, two oven units, smokeless porcelain enameled broiler rack. FIBERGLAS oven insulation. Three Service Drawers.

OPTIONAL EQUIPMENT: Accessory Package 141E, 241E, 341E, 441E, or 541E. Clear View Glass Panel Oven Door.

# The Savov Standard Model

For Alternating Current Only-3 Wire Service.

Floor Space, 385/8x261/2 in.; Cooking Top, 385/8x223/8 in.; Cooking Height, 36 in.; Total Height, 42 in.; Oven Size, 16 in. wide, 17 in. high, 191/4 in. deep; Service Drawers, 15 in. wide, 51/4 in. high, 17 in. deep; Approximate Shipping Weight 260 pounds.

Appliance Receptacle Circuit, 660 Watts; Oven Units, "Preheat," 4400 Watts; "Equalized," 2250 Watts; "Bottom," 1800 Watts; "Broil," 2600 Watts.

## SURFACE UNIT EQUIPMENT AND WATTAGE

Left front-No. 631 Multi-Speed Surface Unit . 73%" Rim Dia. 1300 Watts

No. 8E Handy Cooker ...... 93/8" Rim Dia. 800 Watts

Right front-No. 632-9 Multi-Speed Surface Unit 93/8" Rim Dia. 2200 Watts

No. 613 Multi-Speed Surface Unit...73/8" Rim Dia. 1300 Watts Maximum Connected Wattage 10,660 Watts.

FIBERGLAS blanket insulation. New, double-acting CONSTRUCTION: One-piece wrap-around body. Onepiece top and backguard of acid resisting porcelain enamel.

FINISH: White porcelain enamel with durable black base. Porcelain enameled oven. Lacquer finished service drawers and warming drawer.

WIRING: Five-heat silver contact top unit switches. Handy Cooker also has five-heat switch. Appliance receptacle and oven temperature control in backguard. Appliance receptacle wired to timer circuit—automatic when time control is used.

OVEN-New "5000" Hi-Broil Super Oven-extra large, providing approximately 5000 cubic inches of space. Top and bottom oven units. High wattage baking unit at bottom with low wattage equalizing heat in top oven unit. High intensity broiling coil in top unit. Wilcolator oven temperature control. Oven vent through backguard. spring cam counter-balancing oven door, recessed into range front. Heavy, non-tilt oven racks with lock stops.

BROILER: Non-tilt porcelain enameled broiler pan with porcelain enameled smokeless broiler rack. Waist-High broiler-no stooping.

SERVICE DRAWERS: Three service drawers. Convenient for storing frequently used utensils, saving many steps daily.

ELECTRIC OVEN LIGHT: Operated by a toggle switch conveniently located on backguard. Snapped on and off at will. Lamp is outside the heat zone. Provides brilliant illumination of the oven interior.

No. 8810B-Complete with standard equipment as follows: No. 8E six-quart Handy Cooker is complete with two-quart inset pan and French fry basket. Approximate shipping weight, 260 pounds. Each.....\$134.95 Dep't-5

OPTIONAL EQUIPMENT at slight additional cost:	Each List
No. 141E ACCESSORY PACKAGE	OVSA
No. 241E ACCESSORY PACKAGE	031
No. 341E ACCESSORY PACKAGE Dep't-5	123
No. 441E ACCESSORY PACKAGE	AVA
No. 541E ACCESSORY PACKAGE Dep't-5	XOI
No. S47—Clear View Glass Oven Door. Extra over regular price of range. Each	\$5.00 VSA

The Champion Standard Model



Shown With Accessory Package No. 341E and Glass Panel Oven Door No. S47G

No. 8804B—Smart, modernly designed, more economical, the Champion includes many of the best features found only in more costly ranges. White porcelain enamel finish. One-piece wrap-around body. One-piece porcelain enamel acid resisting top and backguard. Three 5-Heat TK Multi-Speed Units and Handy Cooker controlled by 5-Heat switches with indicating switch handles. INNER oven light. Appliance Receptacle connected to automatic timer circuit.

New "5000" Hi-Broil Super Oven with Equalized Heat—Wilcolator temperature control, two oven units, smokeless porcelain enameled broiler rack. FIBERGLAS insulation. Two Service Drawers.

OPTIONAL EQUIPMENT: Accessory Package 341E, 441E, or 541E. Clear View Glass Panel Oven Door.

# The Champion Standard Model

For Alternating Current Only-3 Wire Service

Floor Space, 3634x25½ in.; Cooking Top, 3634x223% in.; Cooking Height, 36 in.; Total Height, 42 in.; Oven Size, 16 in, wide, 17 in. high, 19¼ in. deep; Service Drawers: 13½ in. wide, 5¼ in. high, 18 in. deep; 20½ in. wide 3¾ in. high, 18 in. deep; Approximate Shipping Weight, 240 lbs.

Appliance Receptacle Circuit, 660 Watts; Oven Units: "Preheat," 4400 Watts; "Equalized," 2250 Watts; "Bottom," 1800 Watts; "Broil," 2600 Watts.

#### SURFACE UNIT EQUIPMENT AND WATTAGE

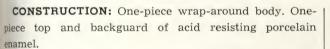
Left front—
No. 613 Multi-Speed Surface Unit..7%" Rim Dia. 1300 Watts
Left rear—

No. 8E Handy Cooker .......... 93/8" Rim Dia. 800 Watts

Right front—

No. 622-9 Multi-Speed Surface Unit. 9%" Rim Dia. 2200 Watts

No. 613 Multi-Speed Surface Unit..73%" Rim Dia. 1300 Watts Maximum Connected Wattage 10,660 Watts.



FINISH: White porcelain enamel with durable black base. Porcelain enameled oven. Lacquer finished service drawers.

WIRING: Top unit switches are new, five-heat, silver contact switches. Handy Cooker also has five-heat switch. Appliance receptacle, Temperature Control and toggle switch for oven light in backguard. Appliance receptacle wired to time circuit—automatic when time control is used.

**OVEN:** New "5000" Hi-Broil Super Oven—extra large, providing approximately 5000 cubic inches of space. Top and bottom oven units. High wattage baking unit at bottom with low wattage Equalizing Heat in top oven unit. Wilcolator liquid expansion type temperature control. Oven vent through backguard. FIBERGLAS blanket



insulation. New, double-acting spring cam counterbalancing oven door. Heavy, non-tilt oven racks with lock stops.

**BROILER:** Non-tilt porcelain enameled broiler pan with porcelain enameled smokeless broiler rack. Waist-High broiler—no stooping.

**SERVICE DRAWERS:** Two service drawers. Convenient for storing frequently used utensils, saving many steps daily.

**ELECTRIC OVEN LIGHT:** Operated by a toggle switch conveniently located on background. Snapped on and off at will. Lamp is outside the heat zone. Provides brilliant illumination of the oven interior.

OPTIONAL EQUIPMENT at slight additional cost:	List Each
No. 341E ACCESSORY PACKAGE	7 Z S
No. 441E ACCESSORY PACKAGE	6.50
No. 541E ACCESSORY PACKAGE	4.00 X O T
No. S47—Clear View Glass Oven Door. Extra over regular price of range. Each	\$5.00

# The Envoy Standard Model



Shown With Accessory Package No. 341E

No. 8803B—An economical range with high-class features, the delight of homemakers. White porcelain enamel finish. One-piece main front. One-piece acid resisting porcelain enameled top and backguard. Three 5-Heat T Multi-Speed Units and Handy Cooker controlled by 5-Heat switches with indicating switch handles. Appliance Receptacle connected to automatic timer circuit.

Receptacle connected to automatic timer circuit.

New "5000" Hi-Broil Super Oven with Equalized Heat—Wilcolator temperature control, two oven units, smoke-

OPTIONAL EQUIPMENT: Accessory Package 341E, 441E, or 541E. Clear View Glass Panel Oven Door.

less porcelain enameled broiler rack. FIBERGLAS oven insulation. Two Service Drawers.

# The Envoy Standard Model

For Alternating Current Only-3 Wire Service.

Floor Space, 36¾x25½ in.; Cooking Top, 36¾x22¾ in.; Cooking Height, 36 in.; Total Height, 42 in.; Oven Size, 16 in. wide, 17 in. high, 19¼ in. deep; Service Drawers: 13½ in. wide, 5¼ in. high, 18 in. deep; 20½ in. wide, 3¾ in. high, 18 in. deep; Approximately Shipping Weight, 230 lbs.

Appliance Receptacle Circuit, 660 Watts; Oven Units: "Preheat," 4400 Watts; "Equalized," 2250 Watts; "Bottom," 1800 Watts; "Broil," 2600 Watts.

# SURFACE UNIT EQUIPMENT AND WATTAGE

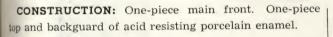
Left front—
No. 613 Multi-Speed Surface Unit.. 73%" Rim Dia. 1300 Watts

Left rear—
No. 8E Handy Cooker ....... 93%" Rim Dia. 800 Watts

Right front—
No. 622-9 Multi-Speed Surface Unit 93%" Rim Dia. 2200 Watts

Right rear—
No. 613 Multi-Speed Surface Unit.. 73%" Rim. Dia. 1300 Watts

Maximum Connected Wattage 10,660 Watts.



**FINISH:** White porcelain enamel with durable black base. Lacquer finished service drawers.

WIRING: Top unit switches are new, five-heat, silver contact switches. Handy Cooker also has five-heat switch. Appliance receptacle in background is wired to timer circuit—automatic when time control is used.

**OVEN:** New "5000" Hi-Broil Super Oven—extra large, providing approximately 5000 cubic inches of space. Top and bottom oven units. High wattage baking unit at bottom with low wattage equalizing heat in top oven unit. Wilcolator liquid expansion type temperature control. Oven vent through backguard. FIBERGLAS blanket insulation. New, double-acting spring cam counter-balancing oven door. Heavy, non-tilt oven racks with lock stops.



**BROILER:** Non-tilt porcelain enameled broiler pan with porcelain enameled smokeless broiler rack. Waist-High broiler—no stooping.

**SERVICE DRAWERS:** One on left, one centered below. Convenient for storing frequently used utensils, saving many steps daily.

MODERN: L. & H. Electric ranges embody all the features necessary for convenient, comfortable electric cooking. Economical operation, cool, clean, fast—a wealth of advantgaes that lend true enjoyment to this modern method of cooking.

No. 8803B—Complete with standard equipment as foll ows: No. 8E six-quart Handy Cooker equipped with trivet only. Approximate shipping weight 230 lbs. Each \$109.95

Dep'1-5

TSXA

OPTIONAL EQUIPMENT at slight additional cost:	List Each
No. 341E ACCESSORY PACKAGE	723
No. 441E ACCESSORY PACKAGE	A • A
No. 541E ACCESSORY PACKAGE Dep't-5	701
No. S47—Clear View Glass Oven Door. Extra over regular price of range. Each	\$5.00 VSA

# L. & H. ELECTRIC RANGES The Kitchenette Standard Model



No. 8800B—Made especially for apartment house owners and home-makers with limited space. Compact and yet embodies convenience features of large L&H Electric Ranges. Finished in white porcelain enamel with one-piece main front. One-piece acid resisting porcelain enamel top and background. Three 5-Heat TK Multi-Speed Units are controlled by 5-Heat switches with indicating switch handles.

New "5000" Hi-Broil Super Oven with Equalized Heat—Wilcolator temperature control, two oven units, non-tilt porcelain enameled broiler pan and smokeless porcelain enameled rack. Thoroughly FIBERGLAS insulated oven in this range as well as all others. Your kitchen will be comfortably cool because the heat stays in the oven.

OPTIONAL EQUIPMENT: Clear View Glass Panel Oven Door.

# L. & H. ELECTRIC RANGES The Kitchenette Standard Model

For Alternating Current Only-3 Wire Service.

Floor Space, 20¼x24 in.; Cooking Top, 20¼x21½ in.; Cooking Height, 36 in.; Total Height, 42% in.; Oven Size, 16 in. wide, 17 in. high, 19¼ in. deep; Approximate Shipping Weight, 60 pounds.

Oven Units: "Preheat," 4400 Watts; "Equalized," 2250 Watts; "Bottom," 1800 Watts; "Broil," 2600 Watts.

# SURFACE UNIT EQUIPMENT AND WATTAGE

Left rear—
No. 613 Multi-Speed Surface Unit..7%" Rim Dia. 1300 Watts
Right rear—
No. 613 Multi-Speed Surface Unit..7%" Rim Dia. 1300 Watts
Front center—
No. 622-9 Multi-Speed Surface Unit..9%" Rim Dia. 2200 Watts

Maximum Connected Wattage 9,200 Watts. Code: DISCALCED



**CONSTRUCTION:** One-piece main front. Flat back fits flush against wall. One-piece top and backguard of acid resisting porcelain enamel.

FINISH: White porcelain enamel with durable black base.

WIRING: Top unit switches are new, five-heat, silver contact switches.

**OVEN:** New "5000" Hi-Broil Super Oven—extra large, providing approximately 5000 cubic inches of space. Top and bottom oven units. High wattage baking unit at bottom with low wattage equalizing heat in top oven

unit. High intensity broiling coil in top unit. Wilcolator liquid expansion type temperature control. Oven vent through backguard. FIBERGLAS blanket insulation. New, double-acting spring cam counter-balancing oven door. Heavy, non-tilt oven racks with lock stops.

**BROILER:** Non-tilt porcelain enameled broiler pan with porcelain enameled smokeless broiler rack. Waist-High broiler—no stooping.

**COMPACT DESIGN:** Built for the small apartment or home kitchen where space is at a premium. Proper work height to match cabinets and other built-in kitchen features.

No. 8800B—Kitchenette.	Approximate shipping weight,	155 pounds.	Each\$94.95
Dep't-5			

# OPTIONAL EQUIPMENT at slight additional cost:

No. S47—Clear View Glass Oven Doo	. Extra over regular price of range.	Each
Don's E		¥ 0 M

# L. & H. ELECTRIC RANGES The Weldon Standard Model



Shown with accessory package No. 141E-No. 8850B Weldon Combination range.

**No. 8850B**—A perfect combination of cool kitchen comfort for warm days and cozy warmth for chilly days. The kitchen heater serves as a means for ready disposal of combustible kitchen rubbish or for the burning of coal or coke. Wood basket grate can be supplied for burning wood.

Smartly designed—finished in white porcelain enamel. Equipped with three TK Multi-Speed units and useful Handy Cooker—all controlled by 5-heat switches with indicating switch handles.

New "5000" Hi-Broil Super Oven with Equalized Heat—MULTI-MATIC oven temperature control, inner oven light, two oven units, smokelses chrome broiler rack. One-piece wrap-around body. One-piece top and backguard of acid-resisting porcelain. Fiberglas insulation. Appliance receptacle connected to automatic timer circuit.

OPTIONAL EQUIPMENT: Accessory Package 141E, 241E, 341E, 441E, or 541E. Clear View Glass Panel Oven Door. High Effiiency water coil for kitchen heater.

# L. & H. ELECTRIC RANGES The Weldon Standard Model

For Alternating Current Only-3 Wire Service

Floor Space, 38½x28 in.; Cooking Top, 38½x21½ in.; Cooking height 36 in.; Total Height, 42½ in.; Oven Size, 16 in. wide, 17 in. high, 19¼ in. deep; Fire Box, 9¼x18½x11½ in.; Approximate Shipping Weight, 510 lbs.

Appliance Receptacle Circuit, 660 Watts; Oven Units: "Preheat," 4400 Watts; "Equalized," 2250 Watts; "Broil," 2600 Watts.

# SURFACE UNIT EQUIPMENT AND WATTAGE

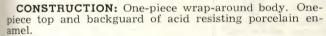
Right front—No. 613 Multi-Speed Surface Unit—7%" Rim Dia. 1300 Watts.

Right rear—No. 8E Handy Cooker, 93/8" Rim Dia. 800 Watts.

Lett front—No. 622-9 Multi-Speed Surface Unit, 93's" Rim Dia. 2200 Watts.

Left rear—No. 613 Multi-Speed Surface Unit, 73's" Rim Dia. 1300 Watts.

Maximum Connected Wattage 10,600 Watts.



FINISH: White porcelain enamel with durable black base. Porcelain enameled oven lining.

WIRING: Surface units are controlled by new Five-Heat, silver contact switches. Handy-cooker also has Five-Heat switch. Appliance receptacle wired to timer circuit—automatic when time control is used.

**OVEN:** New "5000" Hi-Broil Super Oven—extra large, providing approximately 5000 cubic inches of space. Top and bottom oven units. High wattage baking unit at bottom with low wattage equalizing heat in top oven unit. High intensity broiling coil in top unit. MULTI-MATIC oven temperature control. FIBERGLAS blanket insulation. New, double-acting spring cam counter-balancing oven door, recessed into range front. Heavy, nontilt oven racks with lock stops. Light in oven.

**BROILER:** Non-Tilt porcelain enameled broiler pan with polished chrome smokeless broiler rack. Waist-high broiler—no stooping.



**ELECTRIC OVEN LIGHT:** Operated by a toggle switch conveniently located. Snapped on and off at will. Lamp is outside the heat zone. Provides brilliant illumination of the oven interior.

**KITCHEN HEATER:** The built-in Kitchen Heater provides extra warmth for cool days; also convenient at all times for the disposal of waste paper and kitchen rubbish.

It is fitted with heavy fire box linings and triplex grates and burns coal or coke. To burn wood a special wood basket grate is required and will be furnished if specified. Regularly fitted with cast iron linings, it can be supplied with brick linings if so specified. The return flue heat circulation secures full heating value from the fuel consumed by providing a double flue for heat travel. A direct draft damper, however, allows direct travel up the chimney if the heater is used merely for the combustion of kitchen rubbish.

Check damper, return flue damper and draft damper all conveniently regulated from the front.

#### OPTIONAL EQUIPMENT at slight additional cost: \$20.00 No. 141E—Accessory Package. Each ...... OVSA Dep't-5 10.00 No. 241E—Accessory Package. Each ...... Dep't-5 12.00 No. 341E—Accessory Package. Each ...... 7 Z S 6.50 No. 441E—Accessory Package. Each ...... Dep't-5 4.00 No. 541E—Accessory Package. Each ..... XAT Dep't-5 5.00 No. S47—Clear View Oven Door. Extra over regular price of range. Each ...... VSA Dep't-5 10.00 No. 88—Brass Water Coil. Each ..... OST Dep't-5

## SINGLE BURNER HOT PLATE



No. 14—Hard baked all green enamel finish. Size 8x8x4 inches. Heavy nichrome wire 660 watt 110 volt A.C. or D.C. element. Furnished with attached cord. Individually packed. Weight each, 2½ lbs. Each ....\$0.98



No. 140—With on or off toggle switch. Hard baked green or ivory base with black top. Size 8x8x4 inches. Heavy Nichrome wire 660 watt 110 volt A.C. or D.C. element. Furnished with attached cord. Individually packed. Weight each, 2½ lbs. Each....\$1.25
TWO BURNER HO'P PLATE WITH SWITCHES



No. 240—With two separate on and off switches. Hard baked enamel green or ivory base with black top. Size 17 inches long, 8 inches wide, 4 inches high. Heavy nichrome wire 660 watt, 110 volts A.C. or D.C. elements on each burner. Furnished with attached cord. Individually packed. Weight each 6 pounds Each \$2.50

SINGLE BURNER HOT PLATE
WITH SWITCH
Star-Rite



A very practical type of Hot Plate, which promises years of service. Black enamel finish with chromium trim. Switch, 3 heat type, operates high 1000, medium 500, low 250 watts.

# **ELECTRICAL GOODS**



No. 829C—Same as No. 829 Hot Plate excepting equipped with closed type unit in cast construction with element embedded in cement. Weight, 6½ lbs. Each ......\$4.00

# DOUBLE BURNER HOT PLATE Magic Maid



An outstanding value. Substantially built for long satisfactory service with heavy gauge metal frame and apron. Finished in dull black enamel with lustrous chromium fluted supports and trim. Equipped with baffle plate to protect table top: air cooled switches.

An air-cooled spacer between frame and switches assures long life for the switches. The porcelain terminal block to which lead wires and heater cord are connected is located below the stove frame.

tead whese and heater cord are connected is located below the stove frame.

4 Heat Hot Plate—Maximum 1600 Watts
Left Burner 3 Heats 1000 High, 500
Medium, 250 Low. Right burner 1 heat,
off and on switch, 600 watts on high,
medium or low.

1000 Watts: Pan Broiling, Frying; boils 1 quart water in 13 minutes.

500 Watts: General Cooking. Keeps temperature at boiling point.

250 Watts: Simmering, Warming, Slow Cooking.

No. 832—Size Top 18 inches long by 9 inches wide. Extreme dimensions around legs, 20 inches long by 12 inches wide. Ht. 5 inches. Wt. 10 lbs. Each. \$6.00

Packed one to a carton.
Use only on ordinary Baseboard or Wall
outlet. For 112-120 Volt AC or DC.



No. 843—The same sturdily constructed Hot Plate as No. 832 except it has enclosed units in cast iron construction with element embedded in cement. Weight each, 13 pounds. Each .............\$6.95

## SINGLE BURNER GRILL K-M



Attractively finished in chrome and kitchen white. The 6-inch solid enclosed embedded type element is quick heating and economical in its use of electric current. Patented three heat switch control makes either low, (330 watts) medium, (660 watts) or high (990 watts) instantly available. Permanently attached cord. Underwriters' approved.

No. 210-O—Size 9x9x5 inches. One to a carton. Weight 8 lbs. Each ...\$4.95

# DOUBLE BURNER GRILLE Knapp-Monarch

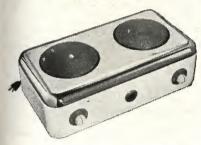


Strong rigid construction—built for utility. A doubly efficient stove with two patented 6-inch fully encased elements. Both elements operate independently-will cook two dishes at once. Different heats obtainable with a patented 3-toggle switch construction. One toggle switch controls one 660 watt element. The other 990 watt element is controlled by two toggle switches whereby thru simple operation the switches control a low 330 watt, a medium 660 watt or a high 990 watt element. The entire top finished in gleaming easily cleaned chromium plate while the body is finished in baked high-heat white enamel. Underwriters ap.proved. Watts capacity 1650.

No. 234-O—Double Grill with solid elements. Size 18-inches long, 9-ins. wide, 4¼ ins. high. Packed one to a carton. Wt. each, 13 lbs. Each .\$8.95

# WHITE CROSS HOT PLATES

DOUBLE BURNER HOT PLATE Knapp-Monarch



A range type portable stove with high heat of 1200 watts available on either of the 6-inch patented embedded Dur-A-Life elements. Electrical 3-heat interlocking switches protect the house circuit from over-loading, yet gives any degree of heat. When one unit is on high, (1200 watts) the other operates on low, (400 watts). Both units operate on medium (825 watts) simultaneously or on a combination of medium and low. Top finished in gleaming white porcelain with body of high-heat, white enamel. Underwriters approved. Watts capacity 1650.

#### Universal



All white Porcelain. Totally enclosed construction insures maximum heat service and armored protection against careless usage. Two 6½ inch UNIVERSAL Units. Units controlled by three heat switches—Left Unit, High 650 Watts, Medium 325 Watts, Low 163 Watts—Right unit, High 1000 Watts, Medium 500 Watts, Low 250 Watts. Total Wattage, both units 1650. Operates from a convenience outlet. Six foot cord permanently attached.

 White Cross hotplates are accepted every-where as the foremost in quality, service, and outstanding appearance. This exclusive patented (No. 109359) feature of a one-piece body with cast corners mounted on bakelite feet, makes the stove easy to keep clean. Special constructed heating elements that produce greater heat for current consumed due to perfect insulation and long life makes them truly outstanding. No heat waste. All have progressive rotary snap switches for various heat combinations. Bodies are finished in high lustre black with chromium plated highly polished legs and bakelite feet. Underwriters Approved attached cord. Packed in individual cartons.

## SINGLE BURNER HOT PLATES



1000 watt open element controlled by 3-heat switch to produce 1000 watts high 500 watts medium and 250 watts low.

No. 9—Size 9x9x51/8. Weight each, 6 pounds. Each ................\$4.75
One in a carton.

# DOUBLE BURNER HOT PLATES



Two 750 Watt open elements controlled by 3 Heat Switches to produce 750 watts high, 375 watts medium and 185 watts low.

No. 11—Size 9x17x51/s inches. Weight each, 9 pounds. Each.......\$6.95 One in a carton.

#### SINGLE BURNER HOT PLATES

These hotplates are priced competitively but are excellent quality. White Cross construction stands for long and dependable service. All have high speed elements—well insulated for maximum heat for current consumed. Made of heavy sheet steel, finished in black with heavy modernistic style enameled steel legs riveted on.

Furnished with standard length cord and plug. Underwriters approved.



660 watt open element mounted in High Grade element retainer.

No. 397—Size  $8\frac{1}{2}$ x $8\frac{1}{2}$ x $4\frac{3}{4}$  inches. Weight each, 4 pounds. Each..\$1.50 One in a carton.

## DOUBLE BURNER HOT PLATES



Two 660 watt open elements controlled by individual toggle switches.

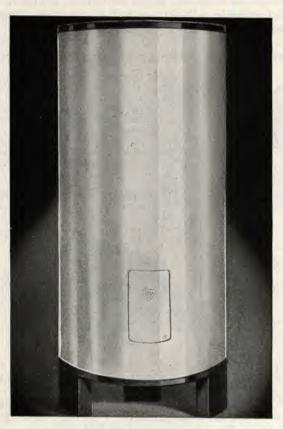
No. 396—Size 9x18x4¾ inches. Wt. each, 8 pounds. Each ..........\$3.50
One in a carton.

# ELECTRIC STORAGE TYPE WATER HEATERS L & H

An L & H Automatic Electric Water Heater, modern efficient, attractive in appearance, smart in design with clean, durably finished surfaces. Attractively finished in white enamel with black trim.

An electric water heater requires no attention, is completely care-free and provides hot water twenty-four hours a day—spring, summer, fall and winter.

In some localities the legal code governing the installation of water heaters requires and we recommend on all installations, a combined pressure and temperature relief valve. See page 1288 for price on pressure and relief valves.



## Single Unit Heater

No. 1250F1 made with one lower opening for one heating unit. All other numbers made with two openings, one upper and one lower and are supplied with one heating unit in lower opening but the upper opening is wired to take an extra element and temperature control at any time desired.

# Duplex Unit Heaters

In some localities the local Electric Utility company permits use of heaters with two units. This affords faster recuperation of Hot Water.

Heating units are directly immersed in water, securing greatest degree of efficiency and are easily removed shoul dthis ever be necessary.

Tanks are triple galvanized copper bearing steel, heavily insulated with Rock Wool. The automatic Temperature Controls are operated from outside and readily adjustable from 120° to 200° F. Non radio interfering.

# Round Single Unit

Nos.	1250F1	1250F	1266F	1280F
Capacity, gallons	53	53	66	87
Wattage Lower Unit	1000	1000	1250	1500
Thickness insulation	3	4	4	4
Water pipe size, ins	3/4	3/4	3/4	3/4
Outside, dia., ins	$24\frac{1}{2}$	$24\frac{1}{2}$	28	28
Ht. overall, ins	587/8	587/8	653/4	767/8
Ship. wt., lbs	360	360	450	530
Each	\$79.50	\$84.00	\$99.50	\$110.00

#### Round Duplex Unit

Number	1250FO
Capacity Gallons	53
Wattage Lower Unit	1000
Wattage Upper Unit	1000
Thickness insulation	4
Water pipe size, inches	3/4
Outside diameter, inches	241/2
Height overall, inches	587/8
Shipping weight, pounds	360
Each	\$90.00

Above water heaters approved by Northern States Power Company. Standard voltage—230 volt A.C. or D.C.

As Water Heating rate structure varies in different localities, full information should be obtained from local Electric Utility Company as to wattage requirements and tank size required to get full benefit of lowest water heating rate.

Wattages as listed will be shipped on all orders unless other wattages are specified.

Non-Standard wattages furnished at no extra charge.

# FIXT-FOCUS FLASHLIGHTS Bond



# Suggested Retail 98c Complete with Cells

This new Bond 2-cell Streamlined Fixt-Focus Spotlight in beautiful two-tone chrome and solid 22K copper design is an achievement extraordinary. It is the most serviceable, all-around, scientifically-built flashlight ever offered to Retail for only 98c complete.

Equipped with new streamlined flash, lock-on and lock-off switch, shock absorber for bulb protection and spare bulb carrier in end cap.

No. 2424—Two cell individual case only. Chrome barrel with copper finished Head and End Cap. Each (less

# FLASHLIGHTS NO. 8 BOND DISPLAY DEAL

Fixt-Focus



Suggested retail 98c Complete with Cells

This Display features the first extra quality streamlined 3-cell Fixt-Focus Spotlight to retail in a low price range. Made from solid drawn brass tubes. Decorated with vivid red, rich black and royal blue Rock Crystal finish. Fittings on Red and Blue cases made from solid 22K copper—Black case with fittings of brass chrome-plated. Safe guard rail lock-on and flash contact switch. Removable modified bullet type end cap with space available for spare bulb. Brilliant mirror finish reflector. Uses Bulb No. PR3.

No. 8 Deal—Consists of: 2 No. 3413 (Red), 2 No. 3413 (Blue) and 2 No. 3414 (Black) 3-cell Power-Chief Fixt-Focus Spotlights packed with new 3-3 spacesaver counter display and 48 No. 102

Super-Power Mono-cells.

No. 3413—Three Cell case only. Red or blue finished barrel with polished copper fittings. Each (less cells) \$0.98
Dep't-E

No. 3414—Same as above except Black finish Barrel with Chrome fittings. Each (less cells) ......\$0.98 Dep't-E

# NO. 6 BOND DISPLAY DEAL

Fixt-Focus



# Suggested retail 89c Complete with

This Display features the first extra quality streamlined 2-cell Fixt-Focus Spotlight to retail in a low price range. Made from solid drawn brass tubes. Decorated with vivid red, rich black and royal blue Rock Crystal finish. Fittings on Red and Blue cases made from Solid 22K Copper—Black case with fittings of brass chromeplated. Safe guard rail lock-on and flash contact switch. Removable modified bullet type end cap with space available for spare bulb. Brilliant mirror finish reflector. Uses Lamp No. PR-2.

No. 6 Deal—Consists of: 2 No. 2413 (Red), 2 No. 2413 (Blue) and 2 No. 2414 (Black) 2-cell Power-Chief Fixt-Focus Spotlights packed in SI-ME Twin Counter Display and 48 No. 102 Super-Power Mono-Cells. Per per-Power Mono-Cells. Per deal \$8.94 Dep't-E

No. 2413—Two cell case only. Red or blue finish barrel with polished copper fittings. Each (less cells)...\$0.89 Dep't-E

# NO. 4 BOND DISPLAY DEAL.



#### Suggested Retail 59c Complete With Cells

This Display introduces a new streamlined, standard 2-cell Focusing Spotlight to retail in the extra low priced range. Made from solid drawn Brass tubes. Decorated with vivid red and rich black Rock Crystal finish. Fittings made from Solid 22K Copper. Safe guard rail lock-on and flash contact switch. Candle-light feature. Removable modified bullet type end cap with space available for spare bulb. Brilliant mirror finish reflector. Uses Lamp No. 14.

No. 4 Deal-Consists of: 3 No. 2803 (Red) and 3 No. 2804 (Black) Standard 2-Cell Focusing Spotlights packed with New 3-3 space saver counter displays and 48 No. 102 Super-Power Mono-cells. Per deal ......\$7.14 Dep't-E ATO No. 2803-Two Cell Case Only. Red barrel with brass fittings. Each (less cells) Dep't-E

No. 2804—Same as above except Black finish barrel. Each (less

cells)

Dep't-E

## FLASHLIGHTS

NO. 2 BOND DISPLAY DEAL



# Suggested Retail 59c Complete with Cells

Streamlined Focusing Flashlight made entirely of brass. Two tone combination nickel finished barrel with polished brass fittings. Removable end cap with space for spare bulb. Candle light head.

No. 2 Deal—Consists of: 6 No. 2801

Standard 2-cell Focusing Spotlights, packed in Space Saver Counter Displays, and one carton of 48 No. 102 Super-Power Mono-Cells.

	Per deal\$7.1
	Dep't-E AT
	No. 2801—Two Cell Case Only.
ĺ	Each (less cells) \$0.5
Į	Dep't-E
1	

#### K95 DEAL



# Suggested Retail 79c Complete with

Cells.
This special 2-cell Focusing Spotlight "has everything"—eye-appeal galore, heavy durable construction made from seamless solid 22K Copper—positive lock "off" and "on" switch—recessed octagon non-rolling lens ring—Candle light feature—brilliant reflector—Mazda Bulb—Bullet Speed Lines.

No. K95 Deal-Consists of 3 No. 2818 solid 22K copper and 3 No. 2810 brass chromium plated barrel with solid 22K copper fittings and 48 No. 102

Super-Power Mono-cells.
Per deal\$8.34
Dep't-E AAX
No. 2818—2 cell copper spotlight only.
Each (less cells)
Dep't-E
No. 2810-2 cell Chromium spotlight
only. Each (less cells)\$0.79
Den't-F

# JUNIOR FIXT-FOCUS FLASHLIGHT



Suggested Retail 79c With Cells

This 2-cell Junior Fixt-Focus Spotlight has these outstanding features: Beautifully finished No. 2528 in solid 22K copper and No. 2520 in brass chromium plated barrel with solid 22K copper fittings, new guard rail protective switch with lock-off and flash contact, removable bullet base end cap. Fixt-Focus means a Super-Power 500 foot piercing beam of light without adjustments ever necessary.

Uses two Junior size cells and PR4 Bulb.

No. 7 Deal Display—Consists of: 3 No. 2528 and 3 No. 2520 Junior Fixt-Focus Spotlights packed in sales building 3-3 ladder displays and 24 No. 101 Bond Batteries. Per deal.....\$5.94 Dep't-E

No. 2528—Individual case. Each (less cells). .....\$0.69 Dep't-E

No. 2520—Individual Case. Each (less cells) Dep't-E

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#### **PENLITES**



Suggested Retail \$0.35 Complete with -cells

Streamlined penlite produces novel lighting effect by the moulded, translucent head piece which glows while a powerful beam of light projects from the tip of the nipple-type bulb.

Made of solid brass, beautifully finished in assorted blue and black colors; head pieces are assorted red, green and white; the clip and dome are nickel plated;-stripes which match the head piece appear over nickel-plated bands located near the top and bottom.

Uses two penlite cells and 222 nipple type bulb.

No. D592I—Penlite Display Deal. Packed 12 assorted colors to display. Weight per display, 11/4 pounds. Per deal (less cells) .....\$4.20 Dep't-E

No. 592-Penlite Case Only. Each (less Dep't-E

# FLASHLIGHTS PEN-LITES

Rond

Suggested Retail 59c Complete With Cells



Streamlined Bond Penlite cases with chromium vest pocket clips. Simple, fool-proof and short-proof switch. Removable lamp cap for floodlight or candle-light use. Equipped with No. 222 bulb.

No. D2640 Deal-Contains 4-No. 2640 all chromium and 4-2648 solid 22K copper penlites on colorful counter display card. Per deal (less cells) \$3.92 Dep't-E No. 2640-Chromium case only. Each Dep't-E

No. 2648—All copper case only. Each Dep't-E



#### PEN-LITES



# Suggested retail 49c with cells.

All brass case with a switch that will not turn on in the pocket, is fool in two colors, either all copper or all black barrels with knurled center bands and black stripes. The streamlined head-piece is molded from translucent plastics. It glows, while a powerful beam of light projects from the tip of the bulb.

Uses two penlite cells and 222 nip-

ple type bulb.

No. 392D—Penlites. Size 53/8 inches display contains 12 Penlites. Weight per display, 11/4 lbs. Per deal (less cells) ......\$5.88 Dep't-E

No. 392—Penlite case only. Each (less cells) .....\$0.49 Dep't-E



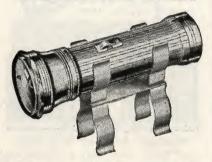
# Suggested Retail 59c Complete with Cells

Projects light from end of lucite rod. Used by mechanics for lighting up hard to get at places. Used by doctors, nurses, mothers for examining throat ears, etc. Solid brass tube chromium plated. Uses 2 Penlite cells and 222 lamp.

No. 492-Packed six lights to display card. Weight per display, 2 pounds. Each (less cells) . . . . . . . . . . . . . . . . . \$0.59 Dep't-E

# FLASHLIGHT CLAMPS

STEERING COLUMN CLAMPS



Offers a convenient method of having Flashlight available for instant use. A handy clamp that can be quickly installed to any standard size automobile steering post. All metal construction. Bright finished.

No. 4502—Each .....\$0.15

Packed Bulk

Mail Orders receive the same prompt and careful attention as orders taken

by our salesmen.

HEADLIGHT LANTERNS Bond



No. 7944—3-cell Bond Double Duty Headlite-Lantern contains the same features, same in construction and finish as No. 79144. Focusing range 700 feet. Uses 3 No. 102 Bond Super-Service Safety Seal Mono-Cells and GE Mazda Lamp No. 13. Each (less cells) .....\$2.95



Both 3 and 5-cell Headlite-Lanterns are equipped with silver mirror reflectors (for long range focusing) and a matted finished reflector for spreadlight service. Heads are equipped with elastic head bands and are adjustable for either headlight service or for clipping to battery case for lantern service. Battery cases fit snugly in hip-pocket or can be attached to belt with clip. Slide contact switch mounted on top of battery case.

 FLASHLIGHT LENS ASSORTMENT Bond



This attractive lens assortment will bring dealers extra profit—requires almost no counter space but renders a complete flashlight service to your customers.

No. L1045—Lens Assortment. Contains 30 Flat Double Strength Glass Lenses, size 1% inches to fit 90 per cent of all makes of ordinary flashlights and 6 Flat Double Strength Glass Lenses, size 3% to fit searchlights. Per assortment.....\$3.60

#### FLASHLIGHT LENSES

No. F11/a—Flat Glass lenses for two cell regular Flashlights. Outside diameter, 11/8 inches. Each.....\$0.05
No. B1/a—Same as above excepting edges are beveled. Each.....\$0.10
No. F11/2—Flat Glass lenses for two cell baby Flashlights. Outside diameter, 11/2 inches. Each.....\$0.05

FLASHLIGHT CELL AND BULB TESTER



No. 1032—Bulb and Cell Tester. Will test either regular or baby size cells. Enables dealer to prove his bulbs and cells at the moment of purchase. Each \$0.25

# **FLASHLIGHTS**

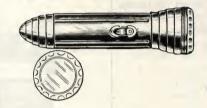
The Katzinger line of Flashlights, offer good price values—with a batter-proof, one-piece genuine steel case and shatterproof clear plastic lens. All parts of these flashlights have been designed to render the utmost in practical efficiency and service. The case, lens, reflector and switches represent the latest developments in flashlight production, to meet the demand for quality at attractive prices.



No. 3111—Standard size. Uses two regular size cells. Heavily nickel plated. Clear plastic lens with side glow feature. One-piece steel case. Two-way switch — Off and On. Equipped with No. 14 bulb. Weight, per cart., 4 lbs. Each (less cells). \$0.40 Dep't-E

12 in a carton.

12 in a carton.



12 in a carton.



12 in a carton.



# **FLASHLIGHTS**

## Bond

# BOND FIBRE CASES

Made of heavy ribbed fibre tubing. Will not dent. Non-rolling octagon lens rings. Candle light heads. Three position safety switch with self locking feature to prevent accidental lighting. Schock absorbing feature in head prevents bulb damage. Ring hanger caps. Chrome Trim throughout.

#### FOCUSING MINERS TYPES



## FOCUSING SEARCHLIGHTS



# FOCUSING SEARCHLIGHTS





# BOND "MILE" RANGE TEN CELL FOCUSING SEARCHLIGHT



#### FIXT-FOCUS FIBRE CASE



Heavy ribbed black fibre barrel. Three-position lock switch. Unbreakable shatter-proof lens. Silver-plated die cast reflector. Bulb shock absorber. Folding ring hanger. All fittings Solid Brass chromium-plated.

No. 2426—Two Cell. Fixt-Focus Fibre Case. Size 61/4x21/8 inches. 700 foot light range. Uses two regular size cells. Equipped with PR2 lamp. Each (less cells)......\$1.15



# STREAMLINED FLASHLIGHT



No. 866—2-Cell Regular Streamlined Spotlight with closed end cap, seamless drawn brass tube and fittings—polished zinc reflector—streamlined switch—highly polished nickel finish. Packed 12 nested in a corrugated container. Weight per 100, 35 lbs. Each (Less cells)..\$0.45

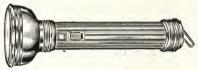
# FLASHLIGHTS AND BATTERIES Bond

#### ALL BRASS CASES

ond now offers special low-priced high quality all brass full kel plated line. Packed in individual cartons and priced less teries. All have candlelight feature, three-way lock switch, g Hanger and Non-rolling octagon lens.



. 3252—3-Cell Focusing Spotlite, 600 foot range. Uses 3 102 Bond Mono-Cells and lamp No. 13. Each...\$0.79



3256-3-Cell Focusing Searchlight, 750 foot range. es 3 No. 102 Bond Mono-Cells and lamp No. 13. 



. 5256—5-Cell Focusing Searchlight, 2200 foot range. es 5 No. 102 Bond Mono-cells and lamp No. 31. .....\$1,48

# RUBBER CUSHIONED FLASHLIGHT Dura-Lite



A rubber cushioned, fully insulated, weatherproof, rusing flashlight, primarily designed to withstand the ughest usage. Unequalled for use in the automobile, orkshop or home. Drop it, jar it, toss it in the tool box, remains unharmed and ready for use.

#### FOCUSING FLASHLIGHT



o. 2810—Chromium Plated Streamlined 2 cell Focusing l brass Flashlight. Positive off and on switch—Non lling lens ring—Candle light feature. Uses 2 regular te cells. Equipped with 14 bulb. Each (less cells)..\$0.69 2818 Copper—Bronze finish otherwise same as above. 

ABOVE PRICES ARE FOR CASE AND LAMPS ONLY-WITHOUT BATTERIES.

# EXTRA HEAVY DUTY "SHOCK-PROOF" INDUS-

#### TRIAL FIXT-FOCUS SPOTLIGHTS

#### Built To Last A Lifetime

A most serviceable and practical flashlight for manhole workers, railroadmen, electricians, plumbers, night watchmen, mechanics, factory maintenance men and hundreds of other types of services all that require a flashlight built like a battleship.

These features are your assurance of long life in the

toughest service:

Solid drawn brass liner.

2 Barrel covered with heavy ribbed black seasoned fibre on brass case.

Oil and grease resistant semi-hard rubber ends over brass head and end.

Fully insulated from end to end.

5 Replaceable switch and contact strip—without any tools.

Easy operating, moulded lock "on" and "off" switch.

Octagon head to prevent rolling.

Bulb shock absorber—to prevent bulb breakage. Silver-plated die cast reflector.

10 Uses Lamps—2 cell PR-2—3 cell PR-3.

11 Clear crystal glass lens.

Fixt-Focus means a brilliant, round, powerful, 12 spot at all ranges—no adjustments necessary.

13 All parts are replaceable—without tools.

The special rubber cushioned ends withstand the shock from dropping, throwing in tool boxes and all the other abuse given a flashlight by the industrial and maintenance worker.



No. 2445-2-cell Fixt-Focus "Shock-Proof" Spotlight. Cless batteries. Each ......\$1.80



No. 3445—3-cell Fixt-Focus "Shock-Proof" Spotlight. 



# DRY BATTERIES BOND MONOCELLS



The New Bond Super-Service Safety Seal (Patented) is a positive guarantee against accidental power loss. This moulded Super Seal Insulator Top is locked in, spun down firmly in each zinc container, firmly sealing under pressure a parafin-soaked insulator washer against the upper zinc shoulder.

48. Packed in unique "twin" display carton. Each .....\$0.10

#### PENLITE MIDGET CELLS



No. 103—Midget size 118x % inches. Voltage 1½. Unit pkg. 12. Weight, per package ½ pound. Each ..........\$0.05

# LANTERN BATTERIES



S. & Q.



Mail Orders receive the same prompt attention as orders given to our Salesmen.

Use our Mail Order Holder and watch results.

PROMPT SERVICE

JANNEY, SEMPLE, HILL & CO.

# POWER . .

# Light Burning Hours that last



Here is an attractive, colorful self-selling, vending type of Flashlight Battery Display Carton. It holds 48 No. D J. S. H. Metal Top Flashlight Unit cells. Each carton has for individual vending type cartons containing 12 cells each. Takes up little counter space and makes it easier for you to sell J. S. H. Top Quality Flashlight Unit Cells.

Only the highest quality of raw materials and skilled workmanship go into the making of J. S. H. and Company Flashlight Unit Cells. They are dependable, energy producing, electric power plants that operate flashlight cases longer.

The many selling features of J. S. H. and Company Flashlight Unit Cells plus our new battery carton, large, 3 colored. window streamer and new, striking battery label offer you a flashlight battery with which to produce a merchandising campaign of quicker turn-over and profits second to none.

Window Streamers Included In Each Carton







JANNEY, SEMPLE, HILL & CO.

# HOURS OF BRIGHT WHITE LIGHT

at







Your customers will welcome this new revolutionary J.S.H. Battery—It gives hours, of bright, white light from their flashlights. It is moderately priced—five cents—a nickel battery.

Its smart, eye-catching, green, black and white battery jacket perfectly insulates the strong, sturdy zinc cup which houses the light producing energy materials used in this new J.S.H. Nickel Battery.

All raw materials used in these batteries are of the highest quality. They are built by workman who are skilled in the art of battery making.

Suggest to your customers that they can equip their flashlights today with this high-grade J. S. H. Battery and receive more hours of bright, white light.

Build volume sales in your store—add to your profits—by displaying these J. S. H. Nickel Batteries today.

No. 1—Size 1x2 inches. Packed 12 to a carton. Weight, per carton, 14 pounds. Per 100............\$5.00

# JANNEY, SEMPLE, HILL & CO.

# RADIO BATTERIES

# HEAVY DUTY A & B BATTERY POWER PACK S. & Q.



Provides 1000 hours operation with Sentinel 1½ volt Radio Receivers. Just plug in. No separate connections. For use with Nos. 175BT, 175BTW, 175BCT, 168BT, 168BC, 176BT, 176BC, 200XT and 200XC; Also fits last year models No. 118BT, 118BTW, 118BCT, 127BT and 127BCT.

# PORTABLE RADIO SET BATTERIES



No. 20 Kit—For set. Each	
No. 467—B Batter:	

# HEAVY DUTY A & B BATTERY KIT S. & Q.



No. V-30B—("B" Battery). Wt. each, 3 lbs. Each...\$1.50 Size 4\(\frac{4}{4}\x3\\\\2x5\\^3\x8\).

No. 4-L1—(1½ volt "A"). Wt. each, 3 lbs. Each....\$0.60 Size  $2\frac{1}{2} \times 2\frac{1}{2} \times 6\frac{3}{8}$ .

No. 4F1—(1½ volt "A"). Wt. 1½ lbs. Each ......\$0.50

(1—6 Volt A No. P-698-A or 8F4 Size 3%x2¾x5% For 1940 Model 180XL.

No. V-30B—("B" Battery). Wt. each, 3 lbs. Each ..\$1.50 Size 414x31/2x53/8.

No. 8F4—(6 Volt "A"). Wt. each, 3 lbs. Each ......\$0.90 Size 37%x234x53%.

# S. AND Q. BATTERIES

HEAVY DUTY "B" BATTERIES
No. 5050—Plug-In—45 Volts.



Terminals to give  $+22\frac{1}{2}$  and +45 volts. An oversized heavy duty "B" battery designed to give extra long service. One of the best "B" batteries on the market.

No. 5050 S. & Q. "B" Batteries are guaranteed to give not less than 500 hours service when used on a radio receiver drawing about 20 M. A. (1/5 Amp.) per hour. (This is equivalent to a six tube radio receiver.)

STANDARD "B" BATTERIES No. 4040—Plug-In—45 Volts.



Terminals to give +22½ and +45 volts. A standard size "B" that occupies minimum space. Recommended for table model and small consoles where space is limited.

No. 4040 are guaranteed for 350 hours when used on 4 or 5tube sets drawing about 14 M. A. (1-7 Amp.) per hour.

"B" OR "C" BATTERIES No. 3535 and 3737—22½ Volt



No. 3030—4½ Volts "C" BATTERY



This standard  $4\frac{1}{2}$  volt 'C" battery is used more than an other type. Now, with plug-in connections, it can be supplied to fit any sets requiring such an arrangement. Taps at +, -3 and  $-4\frac{1}{2}$  volts.

#### DRY "A" PLUG IN BATTERIES



# **IGNITION SUNDRIES**



## S. & Q. DRY BATTERIES

Ignition, high amperage, long life, especially adapted for gas and gasoline engines, automobile and marine engine ignition. Size 6x2¼ inches, in round carton. Voltage 1.6; amperage 25 to 30.

Packed 12 in a box. Weight 28 pounds.

#### S. & Q. BATTERY SPARKERS

# Multiple Battery

A battery simple in construction and suitable for every purpose where open circuit cells can be used. Designed for Electric Fences. Method of construction eliminates all trouble from moisture, loose terminals, broken or improper connections. Consists of a specified number of S. & Q. dry cells, connected either in series or multiple series, each cell being perfectly insulated from one another, the whole being hermitically sealed in a moisture proof metal clad container, so that only the two terminal binding posts and the carrying strap protrude. All types made from regular standard  $2\frac{1}{2}x6\frac{1}{2}$  inch size S. & Q. cells. Will fit any standard size battery box. The carrying handle is of strong webbing, having the ends securely fastened in the interior of the battery.



Number	31141
Rows	1
Number of cells	4
Voltage	6
Length, inches	103/8
Width, inches	23/4
Height, inches	$7\frac{1}{2}$
Weight each, pounds	103/4
Standard case of	6
Each	\$2.00

# DELTA DRY CELL LANTERNS

#### **DELTA POWERLITE**



2 reflector electric lantern, 800 foot spot beam from front reflector. Wide spreda floodlight from top reflector.

Size—6½ inches high not including bail. Diameter of base 4¾ inches. Front reflector is 4½-inches in diameter, top reflector 3 inches.

Battery—Operates on standard 6 volt lantern battery. 45 hours continuous burning life from one fresh battery. 80 to 100 hours intermittant use. Bulb—Mazda No. 26, 5 volts. 15 amps.

Bulb—Mazda No. 26, 5 volts. 15 amps. Finish—Baked aluminum enamel, cadmium plated trimmings. Front reflector is silver plated, top reflector baked white enamel

No. A1530-Powerlite with top Guard Weight 21/2 pounds. Each (less battery) .....\$3.35 No. A1036-Powerlite less top Guard. Weight each, 21/4 pounds. Each (less battery) .....\$2.95 No. A1042—Top Lens Guard for Powerlite. Snaps off and on in a jiffy. Guard used where lantern is used with top light down. Rust proof cadmium plated. Weight each, ¼ pound. Each .....\$0.45 No. P41086—Unbreakable 4½ inch Lens for present Model Powerlites. Each .....\$0.18 No. P41071—Convex 4-inch Glass Lens for Lens for all model Powerlites. Each ...

DELTA SILVERLITE



600-ft. light beam from silver plated reflector. Convenient automotive-type switch on side. Operates on two standard 1¼-inch flashlight cells. Stands 3¾ inches high not including top bail. Top bail has nail notch for hanging-No. A1019—Silverlite. Weight each 1 lb. Each complete (less cells) .......\$1.00 No. P41018—Convex 2½ inch Glass Lens. for Silverlite. Each .......\$0.12

#### DELTA WILDCAT



Powerful 700 foot far reaching spot light from front reflector and wide spread diffused rays from floodlights. 2 lights under fingertip control from same switch. Operates on either 2 or 4 standard 1¼-inch flashlight cells—8 to 10 hours on 2, 20 to 24 hours on 4. Beautiful silver enameled body, exclusive tarnish-proof Deltacrome front reflector. Folding handle permits using lantern with floodlight up. Holes in handle for hanging on nail or by cord. Uses bulb No. 14.

No. A1550—Wildcat. Weight each, 1¼ lbs. Each complete (less cells) .......\$1.79

## DELTA NEW APOLLO



800-foot piercing spot beam instantly adjustable to broad floodlight by rear focus screw. Rigid, comfortable top carrying handle has nail notch in back for hanging up. Stands 7½-inches high not including handle. Operates on two standard No. 6 dry cells. Beautiful Delta red enamel finish. Uses No. 35 bulb.

No. A1514—New Apollo. Weight each, 2½ lbs. Each complete less batteries....\$1.95

No. P41053—Flat 4½-inch glass lens for New Apollo. Each .........\$0.10

#### DELTA POWERAY



Strong 800 ft. spot beam. 4½ inch reflector, unbreakable lens. Automotive type switch. Operates on standard 6 voll lantern battery

No. P41086—Unbreakable 4½-inch Lens for Poweray. Each ......\$0.li

#### DELTA REDBIRD



From piercing 800-foot spot beam was brilliant floodlight, instantly, at a flip of control lever in base—that's Dual-reflection. Stands 7½-inches high, operates on two standard No. 6 dry cells. Large to bail with nail hook for hanging or carring—double folding wire handles in black No. A1095—Redbird. Weight each, 2½ base Each complete (less batteries) ....\$2.28 No. P41027—Convex 4½-inch Glass Len for Redbird. Each ....\$0.11

#### **DELTA HUSKY**

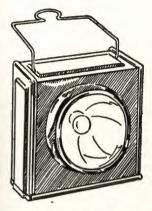


Piercing 600-foot spot beam, adjustable to floodlight by rear focusing screw. Large non-tarnishing reflector. Handy carrying bail has nail notch to permit hanging-strong, rigid handle in back. Finished in red—good looking and sturdy. Operates of two standard No. 6 Dry cells. Uses No. 35 bulb.

No. A1066—Husky. Weight each, 2 pounds Each complete (less batteries) . . . . \$1.51 No. P41053—Flat 4½-inch Glass Lens for Husky. Each . . . . \$0.10

# FOCUSING LANTERN

## KWIKLITE



A beautiful silver body gives this Kwik-lite a richness in appearance that is unsurpassed.

The method of focusing this lantern is noticeably better than that used by others. By simply turning the focusing button on the back of the case you can instantly obtain a long distance beam of 350 feet or a broad floodlight for close up use.

By means of a formed, movable handle, the lantern can be hung anywhere or stood at tilted position.

Renewing batteries and bulbs is a quick, easy operation. Simply raise the side panels for access to either the batteries or the bulb. Equipped with No. 14 Bulb. Uses two regular size cells.

No. 42F—Focusing Lanterns. Size 3½x2x3½ inches. One to a carton. Weight each, ¾ pound. Each (less

# AT YOUR SERVICE

Our knowledge and experience is always at your command, and a word from you at any time will bring aid in solving your problems.

YOUR PHONE AND MAIL

ORDERS WILL RECEIVE

IMMEDIATE ATTENTION

# TUNG-SOL

# MINIATURE BULBS









TL3

G-31/2, G-41/2

# FLASHLIGHT BULBS

# For One Midget or Penlite Cell

					•	
Lamp	Base	Wolt	Amna	Type	Unit	List
No. 112						
No. 112		1.1		TL3		\$0.09
	For One	Junior (	or Regu	lar Cell	l	
No. 123	Min. Sc.	1.2	.30	G3½	10	.07
	For Two	Midget	or Penl	ite Cel	ls	
No. 223	Min. Sc.	2.2	.25	FE334	10	.09
(1)						
No. 222	Min. Sc.	2.2	.25	TL3	10	.09
	For Ty	vo Juni	or Size	Cells		
No. 233	Min. Sc.	2.3	.27	G3½	10	.09
(10)						
No. PR4	Fixed Fo.	2.3	• • •	$P3\frac{1}{2}$	10	.13
	For Tw	o Regui	lar Size	Cells.		
No. T14	Min. Sc.	2.5	.30	G3½	10	.09
No. PR2	Fixed Fo.	2.4	.50	P3½	10	.13
	For Thi	ree Reg	ular Siz	e Cells		7
No. T13	Min. Sc.	3.8	.30	G3½	10	.09
No. PR3					10	.13
	For Fir	ro Bogu	lar Size	Colla		
		-				
No. T31	Min. Sc.	6.2	.30	G4½	10	.10
	For Sev	en Regi	ular Siz	e Cells.		
No. 845	Min. Sc.	8.7	.30	G4½	10	.14
(87V)						
	For Te	en Regu	lar Size	Cells		
No. 1485	Min. Sc.	11.8	.50	T41/2	10	.18
(118V)				/-		

# FOR STANDARD DRY BATTERY SERVICE

Lamp	Bulb	Base	Volts	Amp.	Pkg. Qty.	Each List Price
	For O	ne No. 5 Dr	y Batte	ry		
No. 136 (19)	G-4½	Min Sc.	1.25	.60	10	\$0.10
	For Tw	o No. 6 Dr	y Batte	ries		
No. 248 (35)	G-41/2	Min. Sc.	2.4	.80	10	.10
	For 6 V	olt Lanter	n Batte	ries		
No. 502 (26)	G-4½	Min. Sc.	5.0	.15	10	.10

# TUNGSOL TOY TRAIN BULBS

							Late
Lam	р					Pkg.	Ea. Lk
No		Bulb	Base	Volts	Amps.	Qty.	Prior
No.	1452	G-5	Min. Sc.	8	.25	10	\$0.11
†No.	1453	· ··	Min. Sc.	12	.25	10	3
No.	1454		Min. Sc.	14	.25	10	.11
*No.	1455		Min. Sc.	18	.25	10	1
			1				







No. T31/4 Min. Bay. Base.

# RADIO PANEL BULBS

Lamp				Type	Unit Pkg.	15
Number	Base	Volts	Amps.	Bulb	Qty.	Pric
T-40	Min. Sc.	6.8	.15	T-31/4	10	\$0.0
T-41	Min. Sc.	2.5	.50	T-31/4	10	.4
T-42	Min. Sc.	3.2	.50	T-31/4	10	1
T-44	Min. Bay.	6.8	.25	T-31/4	10	1
‡T-46	Min. Sc.	6.8	.25	T-31/4	10	A
T-47	Min. Bay	6.8	.15	T-31/4	10	1
T-48	Min. Sc.	2.0	.06	T-31/4	10	-2
T-49	Min. Bay.	2.0	.06	T-31/4	10	- 2
+ Tyne	No T-46 is	recomme	nded for	AC radio	s requiring	7 9 1

V. lamp. A few AC-DC and 32V. sets use Type No. T-40.



# **BELLS AND BUZZERS**

# COMBINATION BELL AND BUZZER



Enclosed combination, standard finish, French gray enamel. A combination of a sturdy bell and buzzer, totally enclosed, removes gong hammer and wiring from sight, giving a neat finish mount appearance.

Operation—1, to 3 dry cells, or bell ringing transformer.

No. 20—Weight, per 100, 72 pounds. Each .....\$0.60

#### BUZZERS



Modernistic finished in rich black with chrome band. Equipped with pure silver contacts.

Operates on one or three cells or bell ringing transformer.

No. 1880—Buzzer. Weight each, 8 ounces. Std. Pkg. 100. Each ....\$0.27

#### BELLS

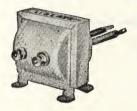


Modernistic finish in rich black with chrome band. Bell nickel plated over copper (not tumbled nickel which will rust). Equipped with pure silver contacts.

Operates on one to three cells or Bell Ringing Transformer.

No. 1845—Bell, 2½ inch gong. Standard package 100. Weight each, ½ lb. Each .....\$0.29

# BELL RINGING TRANSFORMERS



The Coil used in this transformer is larger wound, both primary and secondary, with insulation between each layer of wire. Case made of heavy steel, gray enamel finish. This transformer will not hum.



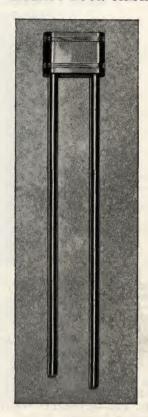
No. 212B—Transformer mounted on combination 3 inch or 4 inch outlet box cover, otherwise same as No. 212. Wt., each, 1¼ pounds. Each ....\$0.75

# CHIME TRANSFORMERS



Chime transformers meet the demand for transformers of higher capacity than the ordinary doorbell types. Suitable for the operation of electric door chimes, large bells, relays, heat control devices, etc.

## LIBERTY DOOR CHIME



The rich cathedral tone of the Liberty door chime will carry, not too loud, throughout the entire home.

Operates on regular bell transformer. No special chime transformer required.

Mounting—Space necessary: 40½x-6½x1½ inches. Comes with level tube mounted on base to hang squarely on wall.

Finish—Mechanism cover is beautiful ivory wrinkle finish with gold trim. Tubes—burnished brass, lacquered.

No. 76—Door Chime. Double duty for two doors. (Rings a single note for back door and full chime for front door.) Weight each, 6 lbs. Each. \$3.95

One to a carton.

# SOFT-TONE BAR DOOR CHIMES

Rittenhouse

Rittenhouse enjoy a nation-wide public acceptance. Produced with fool-proof long life mechanism. Easy to install. These chimes are priced with the lowest, yet they are very attractive in design and have a tone that is unequaled by many chimes selling for considerably more.

PRESIDENT MODEL

The Modern Door-Bell with the Musical Tone



This popular model is suitable for homes, apartments, penthouses, studios, offices, etc. The President sounds two chime tones audible throughout the average residence -the first yielding a beautifully rich chime tone followed by a deeper harmonious tone from the second.

Produces two different signals as are usually required for the front and rear doors. One signal consists of the two successive harmony notes and the other is a single vibrant chime tine.

You will find the President as pleasing in appearance as it is in sound. Ivory finish with brushed brass tubes. Size 44x81/4 inches.

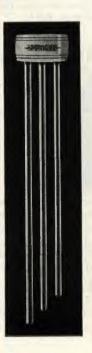
No. P06-President. Weight each complete with transformer, 5 pounds. Each ......\$7.95

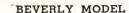
#### REGENT THREE-TUBE MODEL

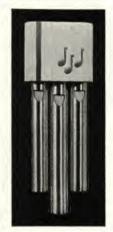
(Middle tube silent)

The Regent Model is identical with the Princess Model above except that it has an additional third tube which considerably adds to its appearance. This tube is silent and serves a decorative purpose only. Double duty for two doors. (Rings a single note for back door and full chime for front door.) Operates on regular bell transformer. No special chime transformer required. Finished in Ivory with brass tubes. Size 411/4 inches long by 71/4 inches wide.

No. 840-Regent Model. Weight each 5½ pounds. Each ......\$5.95







Beverly's attractive styling shows a distinctive new a it proach to chime design. Both smart and dignified, it is in have the approval of home-owners of good taste ever where. Tone quality reminiscent of the old Bever chimes of England,. In addition to the beautiful, 4-notes quence for the front entrance, a single-note signal is a so available for rear or side doors. Furnished complete with the special Rittenhouse transformer which is match. as to the chime insuring full, adequate sound volume.

No. 350—Beverly model. Finish, eggshell ivory and bras Size 17 inches high by 6 inches wide. Weight each, 6 lb Each ......\$9.5

## PRINCESS TWO-TUBE MODEL



This beautifully styled two-tub chime sounds two rich, pleasing chim tones. In addition to the two-note signal for the front entrance a single note signal is also available for the rear or side door. Operates on regul lar doorbell transformer or on ball teries. Attractively finished in Ivon and Brass. Chime tubes are Brushel Brass. Size 41 inches long by % inches wide.

Bi

M

No. 830-Princess Model. Weigh each, 5 lbs. Each .....\$4.8

# SOFT-TONE BAR DOOR CHIMES Rittenhouse

#### SENTINEL MODEL



This model was especially designed to occupy small wall space. Its smaller size (14x16 inches) allows it to be installed in many places where there might not be room for the larger President models. Though compact in design, thas a beautifully rich deep, musical tone that is equal vill in volume to the large tubular chimes. It can be heard distinctly throughout the average residence.

It is available in double purpose type. The double purpose type sounds a two-tone signal for the front door and ned asingle note signal for the rear door. The chime tubes are Brushed Brass and the housing is furnished in Ivory Art Metal with Brass. It is furnished complete with the special ransformer required.

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ass.

lbs. 9.95

tube nime

nglethe egubatvory ished

No. 300-Sentinel. Weight each, complete with transfor-

## CAVALIER MODEL



71/4 The Cavalier Model provides particularly pleasing, deep, sonant tones. A two-note signal is sounded for the front trance and a single-note signal is also available for the eight ar or side door. Operates on regular doorbell transmer or on batteries.

\$4.95 Finished in Ivory with brass tubes. Size 1034 inches long 1714 inches wide.

820—Cavalier Model. Weight each, 4 pounds.

#### WINDSOR MODEL



This new enclosed bar chime sets a new high in attractive styling. The two brushed brass resonator tubes combined with a plastic housing produce a very rich effect.

Two-door type—sounds two notes for the front entrance and a single note for the rear or side entrance. Operates on any good doorbell transformer or on batteries. Ivory and Brass finish. Size 8 inches high by 41/2 inches wide.

No. 210-Windsor model. Weight each, 11/2 pounds. Each ......\$3.95

# CHALLENGER MODEL



This enclosed bar type chime is designed for use as maids' calls, office calls and signals, etc. Frequently used for door calls in small homes and apartments, but for general door call service the louder tubular models are recommended. Double duty for two doors. (Rings a single note for back door and full chime for front door.) Operates on regular doorbell transformer or on batteries. Finished: Ivory with Gold. Size 71/4 inches wide by 4 inches high.

No. 812—Challenger Model. Weight each, 11/2 pounds.

#### ONE DOOR CHIME



This model meets the demand for an inexpensive twonote chime. It is attractively designed and has a very pleasing tone quality. Sounds two separate, distinct notes. Beautifully finished in Ivory Enamel and Deep Gold. Operates on any good doorbell transformer or on batteries. Size 8x4 inches.

No. 811—One Door Chime. Weight each, 1½ pounds.

Each .....\$1.95

# DOOR CHIMES Rittenhouse

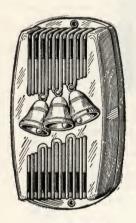
#### TROJAN



Here's style rarely found in chimes selling at five times the price. Graceful, smooth flowing lines that mark the trend toward "streamlined" design. Beautiful, clear, bellike tone. Attractively finished in Ivory Enamel with Gold finish sound bar. Operates on any good door-bell transformer or on batteries. Size 5¾ inches wide by 6 inches high.

No. 801—Single Note Chime. Weight each, ¾ pound. Each \$1.00

# ELECTRIC CHIMES Marks Snapit







No. 600S

#### Rich Ivory Plastic With Gold Trim

The rich tone quality of these chimes, plus their artistic appearance, makes them an outstanding product at prices not much more than ordinary door bells. Easily installed on existing wiring. Operates with ordinary door bell transformer or dry cells.

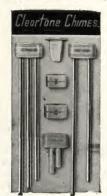
# TWO DOOR TYPE DOUBLE TONE

## ONE DOOR TYPE SINGLE TONE

Packed in individual boxes of attractive design, with cellophane window—six boxes in an eye appealing counter display carton.

#### CHIME DISPLAYS

These beautiful displays are furnished completely wired and equipped with chimes, push buttons and transformer ready to plug in. A small net charge is made to help defray part of the cost of the board, wiring and push buttons. To offset this, a free chime is given to the dealer with a list value approximately equal to this charge.



No. C

No.	840						\$5.95
No.	830						4.95
No.	820						3.95
No.	812	Ivory					2.95
No.	811	White					1.95
No.	801						1.00
Tran	sfo	rmer v	rith	cord	and	plug	.90
		ce					

No. WD800—Chime Display. Each .....\$21.65



Size 24-in. wide by 19-in. high
No. 820\$3.95
No. 812 Ivory 2.95
No. 811 White 1.95
No. 801 1.00
Transformer with cord & plug90
List Price\$10.75
Net charge for board 1.00
Free \$1.00 chime with this display.
D12—Chime Display. Each\$10.75



## MIDGET PUSH BUTTON



No. 177—Brown Bakelite finish with Ivory Push Button. Size 1¼ inch diameter. Packed one to a carton with wood screws. Wt., per 100, 4 lbs. Per 100 ...........\$10.00

#### **PUSH BUTTONS**



Made of brown bakelite with a neat durable Green Push Button. Complete with screws.

No. 405—Size 1½x1½ inches. Weight, each, 3 ounces. Per 100 .........\$12.50

One in a carton.

## NARROW PUSH BUTTONS



Narrow type push button answers demand for device of this kind on new narrow wood trim. Size 214 inches long by 34 inch wide. All brass construction. Black Plastic button.

No. 110—Sprayed brass finish. Complete with screws. Weight per 100, 6 pounds. Per 100 .......\$15.00

No. 110C—Chromium finish. Complete with screws. Weight per 100, 6 pounds. Per 100 ......\$25.00

## DOOR BELL BUTTONS

#### BRASS PUSH BUTTONS



A neat and durable push button. All brass with polished metal button. Highest grade spring tempered phosphor bronze contact spring.

Packed one to a carton with brass screws.

## MONOWATT



Made of bakelite with a neat and durable Green push button, provided with space to insert name card.

One in a carton.

# PUSH BUTTONS EDWARDS



For % inch hole. The result of careful research to provide a more substantial push than any heretofore manufactured. The phosphor bronze contact springs are of novel design, and make positive self-cleaning contact with slight pressure. Pressure on the side of center will not affect the operation, and the center will not stick or turn. The self-forming binding posts take any size wire easily. The push is entirely insulated and may be installed in metal. Pearl center. Two finishes; standard nickel and standard brass.

No. 620B—Brass. Each ......\$0.39
Standard package 50: weight 1 lb.

## PEARL PUSH BUTTON



No. 306—Push Button. With Pearl center and nickel plated rim. For 5% inch diameter opening. Packed bulk. Weight per 100, 5 lbs. Per 100..\$15.00

## **Hubbell Association Approved**

#### TIMESAVER TUMBLER SWITCHES



All Bakelite, fully enclosed and sealed, making a dust proof, tamper proof job. Small, compact and sturdy, with plenty of wiring room. Designed especially for type C Lamp Loads. Fits standard tumbler plates, brass or Bakelite.

No. 1815D—Single Pole. Brown finish "T" rated. 10 amp. 125 volts, 5 amps. 250 volt. Standard package 100.

bler plates, brass or Bakelite.

No. 1815D—Single Pole. Brown finish "T" rated. 10 amp. 125 volts, 5 amps. 250 volt. Standard package 100. 10 in a carton. Weight per package, 19 lbs. Per 100 .......\$35.00

No. 1915D—Ivory finish otherwise same as above. Per 100 .....\$41.00

No. 1835D—Three-Way. Brown finish. "T" Rated. 10 amps. 125 volts, 5 amps. 250 volts. Standard package 50, 10 in a carton. Weight per package, 9 lbs. Per 100 ......\$57.50

No. 1935D—Ivory finish otherwise same as above. Per 100 ......\$57.50

No. 1844D—Four-way. Brown finish. "T" rated. 5 amps. 125 volt, 2 amps. 250 volt. Standard package 10. 2 in a carton. Weight per package, 2 pounds. Per 100 .......\$297.00

## TUMBLER SWITCHES



Completely enclosed mechanism in small Bakelite base, 1-inch deep, 1½-inches long, 7½-inch wide, allowing generous wiring room in any switch box. Large binding screws accommodate No. 10 wire.

## PUSH SWITCHES



Porcelain Base-1-inch

#### No. 4401

No. 4401—Single Pole. 10 amps. 125 volts. 5 amps. 250 volts. Standard package 100. 10 to a carton. Weight per pkg. 33 lbs. Per 100 . . . . . \$41.00

No. 4403—Three-Way. 10 amps. 125 volt. 5 amps. 250 volt. Standard package 50. 10 to a carton. Weight per package 19 lbs. Per 100...\$59.50

## CONVENIENCE OUTLETS





No. 7590

No. 9595

15 Amp. 125 Volts, 10 Amp. 250 Volts.

These receptacles with T slot will take all standard and parallel blade caps. One parallel slot is elongated to fit polarized parallel caps.

No. 7590IV—Ivory finish otherwise same as above. Per 100......\$30.00

No. 9595IV—Ivory finish otherwise same as above. Per 100 .....\$39.00

#### RADIO OUTLETS



No. 4188

No. 4188—Receptacle and GH Cap For aerial, ground and power. Duplex Radio Outlets fit standard wall cases and Duplex Radio outlets fit standard wall cases and Dupler Plates. GH Radio Plug Cap must be used. Standard package. 10. Carton 2. Weight per standard package, 4 lbs. Per 100 with caps . . . . . \$105.5 No. 4188IV—Ivory finish otherwise same as above. Per 100 . . . . . \$122.6

#### SILENT ACTION SWITCHES



Silent Action switches with Mercury contacts. For Hospitals, Residences, Conference Rooms, Churche and wherever a quiet, high quality switch is needed. Furnished with large plaster ears.

No. 9711—Single Pole. Brown finish. 5 amps. 125 volts with T rating Standard package 100. Carton 10 Wt. per 100, 21 lbs. Per 100...\$85.00

No. 9713—Three-Way. Brown finish 5 amps. 125 volts with T rating. Skip pkg. 50. Carton 10. Weight per 100. 28 pounds. Per 100. \$106.00

# OUTLET BOX PORCELAIN PULL RECEPTACLES



No. 883

## 2-Piece with Shadeholder Ring

No. 40262—Ratings: 250 watts, 28 volts. Furnished with chain and 1 foot cord. Fits 3¼ inch box. Standard package 50. Carton 10. Weight standard pkg., 33 lbs. Per 100..\$30.00

## Hubbell Association Approved

OUTLET BOX DEVICES

Mounted on Brown Bakelite Covers.



Attractively designed to dress up Rural Electrification obs. Switches completely enclosed with insulated base to brown bakelite cover.

#### Switches

Rated 10 Amp. 125 Volts 5 Amp. 250 volts.

No. 7404 No. 7405 No. 7432 No. 7433

Description	it to per roo	1 (1 100
	lbs.	
S.P. on 31/4-in. Cover	20	\$38.00
S.P. on 4 -in. Cover	24	40.00
3 Way on 31/4-in. Cover	20	46.00
3 Way on 4 -in. Cover	24	48.00

Description Wt per 100 Per 100

## T Rated Switches

	Description	Wt. per 100	Per 100
io. 7661	S.P. on 31/4-in. Cover	lbs. 20	\$54.00
lo. 7662	S.P. on 4 -in. Cover	24	56.00
ic. 7663	3-Way on 31/4-in, cove	er 20	75.50
lo. 7664	3-Way on 4 -in. cove	er 24	77.50

## **Duplex Receptacles**





No. 9998

Rated 15 Amp. 125 Volts, 10 Amp. 250 volts.

No. 9998 Mounted on 3¼-in. cover 18 \$28.00 No. 9999 Mounted on 4 -in. cover 20 33.00

T Slot Duplex Receptacles

Description Wt. per 100 Per 100

No. 9596 Mounted on 3¼-in. cover 18 \$50.00 No. 9597 Mounted on 4 -in. cover. 20 55.00

Packed 10 in a carton, 50 in standard package.

# SURFACE TUMBLER SWITCHES With Bakelite Covers



No.	Disc.	Ampere Rating 125V	Diam. Base	Screw Hole Spacing	Per 100
9072	E. P. Slotted	6	2	$1\frac{7}{16}$	\$38.50
9074	3 W slotted	5	2	$1\frac{7}{16}$	72.50

10 to a carton—100 to standard package. Weight per 100, 22 pounds.

OUTLET BOX DEVICES

Mounted on Cadmium Covers



			Amper Rating	Per
		Description	125V	100
No.	9068	S.P. 3 <sup>1</sup> / <sub>4</sub> -in. box	6	\$46.00
No.	9070	3 W 31/4-in. box	5	79.50

5 to a carton—50 to a standard package. Weight per 100, 50 pounds.



# HUBBELL DEVICES FLUSH RANGE OUTLETS 3 Wire, 50 Ampere, 250 Volts



Designed for 4" box and standard ¾-inch plaster cover. Solderless connections make wiring easy. Receptacle is made of Bakelite with grounding slots and contacts in the plate.

No. 7978—Receptacle complete with .040 gauge brass plate in brush brass finish. Standard package 10. Unit carton 2. Weight per 100—100 lbs. Per 100......\$329.00

No. 52151¾—Galvanized 4" square box for above. 1½" deep, ¾" knockouts in side. Bottom has 3—½" and 2—¾" knockouts in bottom. Per 100 ...........\$25.00

No. 52171-1—Galvanized 4" square box for above. 2\%" deep. 1" knockouts in side. Bottom has 3—\\(^1\)2" and 2—\(^3\)4" knockouts in bottom. Per 100 .............\$80.00

No. 52C18—Galvanized plaster cover for use with either of above boxes. Raised 34". Per 100......\$22.00

# SURFACE RANGE OUTLETS 3 Wire, 50 Ampere, 250 Volts



With built-in cable clamp interchangeable for back or bottom wiring. Has 34" and 1" knockouts.

No. 7950—Receptacle. Standard package 10. Unit carton 2. Weight per 100, 130 lbs. Per 100 ...........\$150.00

## 3 WIRE RANGE CORD SETS



Bakelite cap and rubber cord. 36" long. Made up of 2 No. 6 and 1 No. 8 stranded wires.

No. 7934—Range Cord Set. Standard package 10. Unit carton 2. Weight per 100—230 lbs. Per 100......\$194.40

#### HEMCO MOULDED PLURAL PLUGS





No. H200

No. H204

No. H200—Twinlite Plug. Produced from high grade moulded bakelite. Brown finish. 100 to standard package. 10 to carton. Weight per 100, 21 lbs. Per 100. \$42.50

# FLUORESCENT LAMP STARTERS AND LAMPHOLDERS

	No. FS-2	No. 7013	No. 7019
No.	FS-2-For 15 or	20 Watt Lamp.	Per 100\$45.00
No.	FS-4-For 30 or	40 Watt Lamp.	Per 100 45.00
No.	7019-Black. P	er 100	\$46.00
No.	7019-W-White.	Per 100	49.00
No.	7013-Black, Flo	ash or Surface.	Per 100\$26.00
No.	7013-W-White,	Flush or Surfac	e. Per 100 29.00



## FLUORESCENT LAMP HOLDERS AND STARTERS Flush or Surface Mounting for 1-in. or 11/2-in. Lamps.





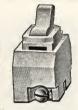
Cat. No.	DESCRIPTION	Color	Car- ton	Std. Pkg.	Wt. Lbs.	List per 100	Net per 100
FS-2	Starter for 15 or 20 watt	Alum.	10	100	4	\$36.00	xsvx
FS-4 2944	Starter for 30 or 40 watt lamps Lampholder and Starter	Alum.	10	100	4	36.00	xsvx
2940	Socket, straight push contacting Lampholder, Straight	Black	10	100	10	46.00	X 7 & X
*2945	push contacting Lampholder and Starter	Black	10	100	6	26.00	000X
2044	Socket, straight push contacting	White	10	100	10	49.00	V Z V 7
2941 2942	Lampholder, straight push contacting Lampholder and Starter	White	10	100	6	29.00	TETO
	Socket, Twist-turn con-	Black	10	100	10	46.00	X 7 & X
2936 2943	Lampholder, twist - turn contacting Lampholder and Starter	Black	10	100	6	26.00	000 X
	Socket, Twist-turn con-	White	10	100	10	49.00	VZV7
2937	Lampholder, Twist - turn contacting	White	10	100	6	29.00	0137
*2946	Starter Socket for attach- to lampholders	Black	10	100	6	20.00	OXAZ
**2947	Starter Socket, for sepa- rate or remote mount-			100	_	DO 00	0 V 1 7
2948	Spacer sleeves for No.		10	100	5	20.00	OXAZ
	2947		100	1000	5	1.00	өх

\*Only the Lampholder is white. Starter socket is black.

## INTERCHANGEABLE LINE HUBBELL ASSOCIATION APPROVED SWITCHES







No. T1411

"T" Rated 10 amps., 125 volts

## Brown Bakelite

No. T1311-Single pole. Standard package 100, 10 in a carton. Per 100 ......\$35.00 No. T1313-Three Way. Standard package, 50, 10 in a carton. Per 100 ......\$57.50

## Ivory Bakelite

No. T1411-Single pole. Standard package 50, 10 in a carton. Per 100 .....\$41.00 No. T1413-Three Way. Standard package 30, 10 in a carton. Per 100 ......\$63.50

### COMPETIVE GRADE SWITCHES



No. T1391



No. T1491

Rated 10 Amps., 125 Volts.

## Brown Bakelite

No. T1391-Single pole. Standard package 100, 10 in a carton. Per 100 .....\$24.00 No. T1393-Three way. Standard package 50, 10 in a carton. Per 100 ......\$32.00

#### Ivory Bakelite

No. T1491-Single pole. Standard package 50, 10 in a carton. Per 100 .....\$30.00 No. T1493-Three way. Standard package, 30, 10 in a carton. Per 100 .....\$38.00

## OUTLETS



No. T1320



No. T1420

Rated 15 amps., 125 volts.

No. T1320-Brown Bakelite. Standard package, 100, 10 in a carton. Per 100 .....\$14.00 No. T1420-Ivory Bakelite. Standard package 100, 10 in a carton. Per 100 .....\$20.00

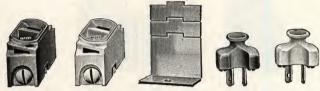
No. 2947 is for use where Lampholders and Starter Sockets cannot be installed owing to space limitations. Is designed for flush or surface mounting by means of two screws.

Starters can be made to project through reflector or housing at various heights by embers No. 294081/8 process. ploying No. 29481/4" Spacers.

## Interchangeable Line HUBBELL ASSOCIATION APPROVED

Interchangeable devices afford various combinations of switches, receptacles, etc. under one or two gang plates.

#### RADIO OUTLETS



No. T1346—Divider for 2-inch, 2½-inch and 3-inch deep Switch Boxes. Standard package 10, 5 in a carton. Per 100

#### NITE LITE



### PILOT LITE

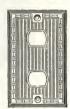


No. T1340—With Chromium Reflector and 6 Watt, 120 volt S6 Red Bulb. Standard package, 30, 10 in a carton. Per 100 ......\$95.50

#### SINGLE GANG PLATES

Necessary Mounting Straps are supplied with each plate for devices to be used with same.







#### Brown Bakelite

<b>No. 91041</b> —One opening. a carton. Per 100	_		
No. 91021—Two opening. a carton. Per 100	1	,	
No. 91031—Three opening a carton. Per 100	_	-	

### Ivory Bakelite

No. 92041—One opening. a carton. Per 100		_			
No. 92021—Two opening.	Standard	package	50,	10	in
No. 92031—Three opening a carton. Per 100	. Standard	l package	e 30,	10	in

## TWO GANG PLATES



Brown Bakelite

## **Ivory Bakelite**

#### HUBBELL UNILINE DESIGN PLATES

Uniline design matches plates manufactured by association approved devices such as Bryant, Arrow, Pass and Seymour, etc.



No. 91071



No. 91101



No. 91532



No. 91543

#### BROWN FINISH BAKELITE PLATES

No.	DISC	Carton	Standard Package	Weight Per 100	Per 100 Less than Std. Pkg.	Standard Package	List Per 100 Gangs
91071 91072 91073 91074 91101 91102 91532 91543 91554	1 Gang Tumbler. 2 Gang Tumbler. 3 Gang Tumbler. 4 Gang Tumbler. 1 Gang Duplex Receptacle. 2 Gang Duplex Receptacle. 2 Gang Tumbler and Duplex Receptacle. 3 Gang 2 Tumblers and Duplex Receptacle. 4 Gang 3 Tumblers and Duplex Receptacle.	10 1 25 10	100 50 50 10 100 50 50 50 10	10 20 30 40 10 20 20 30 40	ΔΖΛ ΟΖ\$7 ΟΔΟΧ ΧVΖΛ ΔΖΛ ΟΖ\$7 ΟΔΟΧ Χ\$Θ7 ΘΔΟΘ	ΛVΛ 7Θ7 0VZX 0J7Λ ΛVΛ 7Θ7 0VZX 0JΔV ΔΘ08	\$ 7.00 14.00 21.00 32.00 7.00 14.00 21.00 31.50 94.50

#### IVORY FINISH BAKELITE PLATES

92071 92072 92073 92074 92101 92102 92532 92543 92554	1 Gang Tumbler. 2 Gang Tumbler. 3 Gang Tumbler. 4 Gang Tumbler. 1 Gang Duplex Receptacle. 2 Gang Duplex Receptacle. 2 Gang Tumbler and Duplex Receptacle. 3 Gang 2 Tumblers and Duplex Receptacle. 4 Gang 3 Tumblers and Duplex Receptacle.	10 10 1 25 10 10	100 50 50 10 100 50 50 50	10 20 30 40 10 20 20 30 40	7 X 7 0 0 4 0 X	TOV OAXO XOVJ VOZS TOV OAXO OJXS X7SA TAXA	\$11.50 23.00 34.50 50.00 11.50 23.00 31.00 46.50 117.00
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## Dep't-E

NOTE—5 or more "less than standard packages" but not less than "Full cartons of each item" may be combined with one full standard package to secure maximum standard package price.



## WIRING DEVICES Hubbell Acorn Line

These articles are competitively priced and designed to meet competition. They should not be confused with our standard line of Hubbell wiring devices listed elsewhere.

#### FLUSH RECEPTACLE SWITCHES





No. 9991

....

## 10 Amp. 125 V., 5 Amp. 250 V.

No. 9991—Single pole. Brown finish. Standard package 100. 10 in a carton. Weight per package, 27 lbs. Per 100 ......\$13.00

No. 9991IV—Ivory finish otherwise same as above. Per 100 .....\$14.00

No. 9993—Three-Way. Brown finish. Standard package 50. 10 in a carton Weight per package, 14 lbs. Per 100 ......\$20.00

No. 9993IV—Ivory finish otherwise same as above. Per 100 ......\$21.00

### FLUSH RECEPTACLES





No. 9992

No. 9990

## 15 Amp. 125 V., 10 Amp. 250 V.

No. 9992IV—Ivory finish otherwise same as above. Per 100 .....\$14.00

No. 9990IV—Ivory finish otherwise same as above. Per 100 .....\$15.00

## FLUSH RECEPTACLES

With Outlet Box Covers



## No. 9994 15 Amp. 125 V., 10 Amp. 250 V.

## CLOCK HANGER OUTLET



## OUTDOOR WEATHER-PROOF RECEPTACLE



No. 472—Complete with cap to close opening, brass switch plate with aluminum finish and receptacle. Rated 15 amps, 125 volts. 10 to carton. 30 to standard package. Weight Per 100, 60 pounds. Per 100...\$120.00

#### SURFACE TUMBLER SWITCHES

With Bakelite Covers



6 amp. 125 volts, 3 amp. 250 volts.

No. 4442—Single Pole Slotted. 10 in a carton. Standard package 50. Wt. std. package 21 lbs. Per 100..\$24.00

No. 4444—Three ways slotted. 10 in a carton. Standard package, 50. Wt std. pkg., 21 lbs. Per 100......\$34.00

#### STANDARD ASSEMBLED SOCKETS

Brush Brass Finish
250 Volts







No. 2664 No. 2667 No. 2618

## SHADE HOLDERS AND LAMP GUARDS

# UNO SHADE HOLDERS For Standard Sockets



All medium base brass shell sockets and receptacles have threaded bead for "Uno" shade holders,

#### WEATHERPROOF SHADE HOLDER



These Shade holders may be used in connection with any porcelain or composition socket or receptacle provided with shade holder groove.

Made of brass with nickel plated finish.

Packed 12 to a package.

## GRIPON LAMP GUARDS



Gripons are the strongest and neatest, closed bottom, non-locking guards made Made for both regular and mill type lamps and for brass, shell and weather-proof sockets. Heavy tinned finish.

No. 1600—For 25-50 watt O. S. Regular or 50-60 watt N. S. Mazda C; Fits brass sockets. Weight per dozen 3 pounds. Per dozen \$3.00

## PROTECTOR-O-LAMP GUARDS



Open bottom guards which permit quick and easy removal or insertion of lamp which is fully protected against breakage. They are easily attached to socket by a strong metal band. Heavy tinned finish.

## "EASY OPEN" LAMP GUARD



Special patented wire guard. Bulb can be replaced with-out removing guard. Guard can be opened by pulling on one of loops. Takes up to 60-watt bulb.

Per 100 .....\$25.00

No. 489—For weatherproof sockets, otherwise same as above.

Per 100 .....\$25.00

No. 488-Fits brass sockets.



### BRASS SOCKETS



No. 5052-C—1/8-inch Cap Key Socket. Brush brass finish. Per 100 ...\$18.00

No. 5051-C—Pendant Cap Key Socket. Brush Brass finish. Per 100. .\$18.00 Weight per 100, 20 pounds. All above 25 to a carton.



No. 5252-C—1/8-inch Cap Pull Socket. Brush brass finish. Per 100 . . . . \$20.00

No. 5251-C—Pendant Cap Pull Socket. Brush brass finish. Per 100 ...\$20.00 Weight per 100, 21 pounds. All above 25 to a carton.

#### Levolier





Weight per 100, 14 pounds. 25 to a carton.

## Keyless Socket

No. 6162-C—1/8-inch cap Keyless Socket. Brush finish. Per 100 ....\$12.75

Weight per 100, 14 pounds.

25 in a carton.

## WIRING DEVICES

### BRUSH BRASS BODIES Circle F





No. 5000

No. 5200





No. 6600

No. 5100

No. 6600—Push Body. Standard package 250. Weight 40 pounds. Per 100 ......\$15.00

No. 5100—Keyless Body. Standard pack-

250. Wt., 38 lbs. Per 100 ......\$12.00

## PORCELAIN SOCKET BASES



## BRASS CAPS



## SOCKET BUSHINGS



No. 1257—1/s-inch composition bushing; standard package, 500. Weight 2 pounds. Per 1,000 ..........\$8.00

No. 1258—3%-inch composition bushing; standard package, 500. Weight 4 pounds. Per 1000 ......\$17.90

## 100 in a carton.

#### BAKELITE SOCKETS





No. 8297-C—%-inch Cap Bakelite P Chain Socket. Weight, per carton 2 l Per 100 \$33.





## ALL RUBBER SOCKETS



No. 7240

No. 7244

Neatly designed; pendant cap sna easily into groove for tight fit. School proof and water-proof.

No. 7242.

No. 7242—Pull chain. Per 100. .\$30. Weight per 100, 25 pounds.

All above 10 to a carton, 100 in a standard package.

#### SOCKET PLUGS

Genuine Bakelite, the highly advertised and perfect compound, clearly marked on ach piece, insures the exact performance these new wiring devices.





No. 602 No. 624

6. 602—Bakelite Twin-Light Socket

Standard package 100. Weight

d. pkg., 15 lbs. Per 100.....\$10.00

Packed 25 to a carton.

o. 624—Triple Socket — Standard ackage 100. Weight standard packge, 20 lbs. Per 100 ......\$10.00 Packed 25 to a carton.





No. 136

No. 137

No. 136—Brown Bakelite Pull Chain Tap.

Pull chain switch controls lower bulb opning only. The bulb opening on side

always on. Weight, per 100, 16 lbs.

Per 100 .....\$25.00

Packed 25 to a carton.

Packed 25 to a carton.

## BAKELITE DUAL-TAP SOCKETS



Pull chain switch, controls bulb opening only. The two side outlets are always on. Nickel plated band holding cap and socket body can be easily removed for wiring.

No. 138—1/8-inch cap. Brown Bakelite. Packed 10 to a carton. Weight per 100, 18 lbs. Per 100 ......\$25.00

#### PORCELAIN SOCKETS



No. 501-C—Porcelain Key Socket, Pendant Cap. Weight per carton, 4 lbs. Per 100 .................\$25.00

No. 502-C—Porcelain Key Socket, with Brass plated 1/2 inch cap. Wt. per carton, 4 lbs. Per 100 ....\$30.00

No. 541C—Porcelain Pull Chain Socket and Pendant cap. Weight per carton, 4 lbs. Per 100 .......\$35.00

No. 542C—Porcelain Pull Chain Socket, 1/8 inch die cast cap. Weight per carton, 4 lbs. Per 100 .....\$40.00

## PORCELAIN MOGUL SOCKET



Porcelain Mogul Socket with Turn knob switch for Three-Lite Lamps. Wired for Low Wattage first turn, Medium wattage second turn and High Wattage third turn.

No. 29601—14-inch Pipe Thread Bracket. Standard package 50. Weight per 100, 76 pounds. Per 100 .....\$45.00

# ROTARY CANOPY SWITCH Two Circuit



Two Circuit Replacement or repair type switch for controlling the three candle arm bulbs on 6 or 7 way Floor Lamps.

# THIN MODEL LINK SWITCH McGill Brand



The thin model Levolier Link Switch may be easily and quickly installed. It is so small that it is scarcely noticeable. It permits you to use this switch for any chain fixture, old or new, and between any two links, without rewiring or changing the fixture length. Furnished with short chain and 7 ft. cord.

## THIN MODEL FIXTURE SWITCH



This new model possesses all the sterling characteristics, the superior rugged construction, and super-adaptability which makes it so popular. Its use is suggested in the modern shallow canopies, or where only limited space is available. Furnished with short chian and 7 ft. cord.

## PULL CHAIN CANOPY SWITCH



Extremely small size brass pull chain switch. Size case % inches long ¾ inch wide by ½ inch deep. Adjustable nut on % inch nipple. Wire leads 8 inches long. Equipped with short chain and 4 foot cord.

No. 1850—Canopy switch. Rated 3 amps 125 volt. For use with 350 watts or less. 10 to a carton. Weight per 100, 8 lbs. Per 100 .....\$20.00

#### WIRING DEVICES

#### CANOPY SWITCHES



An ideal switch adaptable to many uses and principally as a replacement switch for electric lamps. Equipped with 6-inch long wire leads.

No. 1889—Bakelite Turn Knob Type. 3/8-inch diameter shank. Rated 3 amps.

125 volt. For use with 350 watts or less. Packed 25 to a carton. Weight per 100, 5 pounds. Per 100 ....\$10.00

No. 1890—Brass turn knob otherwise same as above. Per 100 .....\$10.00

No. 1885—Bakelite Push Button type, otherwise same as above. Per 100 ......\$15.00

No. 1886XP—Bakelite Toggle Type with off and on Indicator Plate otherwise same as above. Per 100..\$20.00

#### KITCHEN SWITCH



Brown Bakelite Pendant Toggle Switch to control ceiling light. Two side and bottom outlets always on. They operate independently of side switch. Furnished with 4 feet approved three conductor white cord.

No. 761B—Packed 10 to a carton. Wt. per 100, 45 lbs. Per 100.....\$60.00

**MINNEAPOLIS** 

IS YOUR

BEST

**MARKET** 

MAIL ORDERS

RECEIVE

**PROMPT** 

ATTENTION

## WEATHERPROOF SOCKETS



Bakelite Ever-Ready Medium Base Societ has a screw thread detachable cap. The base carries two pin contacts. Application is simply by inserting either No. 12 or No. 14 stranded wire in the wire proves and screwing the cap down tightly. This gives a positive absolutely weatherproof contact. Stripping of the wire is not necessary.

No. 43308—Bakelite, 10 in a carton, standard package of 100. Weight per standard package, 11 lbs. Per 100 \$18. std. pkg., 11 lbs. Per 100.....\$18.95



# WEATHERPROOF SOCKETS All Rubber



All rubber weatherproof sockets. Wired with durable covered leads, ends are stripped ready for use. Furnished with an extra lip protruding above socket, which makes watertite connection around bulb.

No. 132—Packed 10 to a carton. Wt. per 100, 16 lbs. Per 100 .....\$12.00

## PORCELAIN RECEPTACLES





No. 221X—Pull chain receptacle. Two piece screw ring type. Principally used with Bathroom and other side wall electric fixtures. Equipped with 7-inch chain and insulator. Weight per 100, 37 lbs. Per 100 . . . . . \$18.00 10 to a carton.





No. 292—2-Piece Receptacle, Open wiring, concealed terminals. Weight, per carton 3½ pounds. Per 100 ......\$15.00 10 in a carton.

#### CLEAT RECEPTACLES



Single center screw hole 2½x2 outside dimensions, 660 watts, 250 volts without groove.

10 in carton, 100 to std. pkg.

## CLEAT RECEPTACLES





10 in a carton.



Concealed Terminals For Concealed

Bakelite Receptacle is held in place by two concealed screws. 250 volts, 660 watts.

## ROSETTES



No. 330—Fuseless Rosette, Cleat Base. Wt. per carton, 4 lbs. Per 100..\$12.00

## 10 in a carton.



No. 333—Fuseless Rosette, Concealed Base. Weight, per carton, 4 pounds. Per 100 ......\$12.00

#### 10 in a carton.



No. 319—One-Piece Combination Rosette. Wt. per carton,  $2\frac{1}{2}$  lbs. Per 100 .......................\$10.00

#### PORCELAIN KEYLESS RECEPTACLES



No. 202—Porcelain Keyless Receptacle with shade holder groove. For 3, 3¼ or 3½-inch outlet box. Weight per 100, 54 lbs. Per 100 . . . . \$15.00

Packed 10 to a carton.

Note—Above now furnished with drain holes to meet with R. E. A. code.

## PORCELAIN RECEPTACLES



For 8- or 34-inch Box. Supplied with 1 inch long chain. 35-inch outside dimensions, 24 inch screw hole spacing.

No. 360—Per 100 .....\$25.00

One to a carton—50 to standard package. Weight standard package, 32 pounds.



No. 362-S—Porcelain Receptacles for 4-inch box. 3 inch chain, 4 ft. cord. Per 100 .....\$29.00

#### With One Outlet



No. 364-S—Porcelain Receptacle for 3¼ inch Outlet Box with convenience outlet. Switch operates bulb opening only. Furnished with 6 ft. cord and chain. One to a carton. Weight each, ¼ pound. Per 100 ......\$30.00

## PORCELAIN OUTLET BOX RECEPTACLES



No. 307—Receptacle for 3-inch or 314 inch Outlet Box, Metal Cover. Weight, per carton, ½ lb. Per 100 ....\$12.00 One to a carton.

## SINGLE RECEPTACLE



## DUPLEX RECEPTACLE



### DUPLEX RECEPTACLE Heavy Duty



No. 153A—Heavy Duty Duplex Receptacle. All bakelite construction. With much heavier phosphorous bronze contacts than those customarily used with competitive low priced receptacles. Equipped with four binding screws. Underwriters approved. Packed 10 to carton. Weight, per carton 1½ pounds. Standard packaze (200). Per 100 ......\$12.00

## DUPLEX RECEPTACLE

Monowatt

DeLuxe-T Slots



No. 158—Deluxe Receptacle with large binding screws for convenience in wiring and T type slots for tandem or parallel attachment caps. Rated 15 amps. 125 volt. Weight per 100, 20 lbs. Per 100......\$18.00 Packed 10 to a carton—100 to std. pkg.

No. 158IV—Same as above except ivory finish. Per 100 ......\$23.00

## MOUNTED DUPLEX RECEPTACLE Monowatt



Packed 10 to carton. 100 to std. package.

#### MOUNTED DUPLEX

RECEPTACLES

Mounted on Galvanized Box Covers.



Receptacles rated 15 ampere 125 volts, 10 ampere 250 volts.

No. 378—Duplex Bakelite Receptacle on 3¼ inch galvanized outlet box covers. 10 to a carton. Weight per 100, 28 lbs. Per 100 ......\$13.00

## QUINTETTE RECEPTACLE



Brown Bakelite Single Gang Quintette Receptacle with combined size  $2\frac{3}{4}$  x $4\frac{1}{2}$  inch wall plate. Will fit standard size switch box. Receptacle accommodates 3 regular style or 5 narrow style Attachment caps.

No. 155—One to a carton including screws. Weight per 100, 20 pounds. Per 100..\$25.00

# ELECTRIC CLOCK HANGER RECEPTACLE

Leviton



For convenience in mounting and improved appearance, this device is furnished with a special wall plate having an integral hook for hanging the clock. The receptacle is mounted within the wall plate and is set deep into the wall to allow a standard cap with exposed wiring to fit flush, and concealed behind the clock.

## WIRING DEVICES

## RADIO AND POWER OUTLETS





Divider plate separates ground and aerial from the power connection. Divider plate will fit 1½, 2 or 2½ in. deep boxes. The Polarized Radio Cap assures safety in connecting the aerial and ground wires of a radio receiver. The design of this cap prevents it from being inserted into the power outlet in this receptacle.

Takes a regular size Duplex switch plate. Underwriters approved.

No. 6219—Brown Bakelite Outlet with Polarized Cap. 10 to a carton. Wt. per 100, 25 lbs. Per 100 .....\$70.00

No. 6219C—Ivory Bakelite Outlet otherwise same as above. Per 100 .... \$82.00

## UTILITY OUTLET

-National-



The installation of the Utility outlet is very simple. Bore one hole make wiring connections according to directions furnished.

No. 60—Utility Outlet. For 14-2, 12-2 Loomwire or ABC Armored Cable. Rated 15 Amps.-125 volts. One to a carton. Weight per 100, 50 pounds. Per 100 ......\$75.00

#### FLASHER



## INTERFERENCE FILTERS Van's



Van's Model A Filter is a plug-in type designed especially for electric razors, small motors, mixers, sewing machines, clicking noises, etc. One end plugs into regular receptacle and the other end will fit any standard attachment cap.

For use on voltages up to 220 A.C. or D. C. Instructions furnished, can be installed by anyone in a few minutes.



Van's Model E Filter has the same design as the Model A but has a ground lead. Designed for larger units such as cash registers, large motors, refrigerators, fans, etc.

For use on voltages up to 220 A. C. or D.C. Instructions furnished. Can be installed by anyone in a few minutes.

## FLUORESCENT LIGHT FILTER



This filter has been designed especially for Fluorescent Light Fixtures. It is enclosed in a tubular case and is made to fit into the base or canopy of any fluorescent light fixture. It is small, compact and can easily be installed by anyone in a moments time. Vans Fluorescent Light Filter connects directly across the power line, eliminates interference from any fluorescent light fixture if properly installed.

Model F—For use on voltages up to 220 A. C. or D. C. Full instructions furnished. Size ½x2 ins. Each.\$0.60

#### BAKELITE COMBINATIONS

All combinations use standard duplex receptacle plates.

Switches: 5 Amp. 250V.—10 Amp. 125V. Receptacles: 10 Amp. 250V.—15 Amp. 125V



No. 3201—Single pole switch and recepta-cle. Common feed. Receptacle is inde-pendent of the switch. Easy to install. Per 100 .....\$32.00



No. 3207—Receptacle and pilot light. A new device complete with bulb, which can be replaced without removing the plate. A little extra pressure and a slight turn to the left releases the metal shell covering the bulb. Flow to install Pow 100 524 00 the bulb. Easy to install. Per 100 \$34.00



No. 3208-Single pole switch and pilot light. Supplied complete with bulb, which can be renewed without removing the plate, in the same manner as No. 3207.

Anyone can replace the bulb in a few minutes time. Per 100 ......\$37.00



No. 3210—Two single pole switches. Separate feeds. Installation and operation like 2 separate S. P. Toggle switches, using the space of one switch. Per 100 \$38.00 No. 3204-One single pole and one

three way switch otherwise same as above. Per 100 .....\$45.00

10 in a carton.

## WIRING DEVICES

NITE LITE Monowatt



Small economical night light for the nursery, sick room, etc. Current consumption is very small, uses Mazda C-7, 7-watt lamp. The ivory plaskon shade throws a soft light over a large area without being troublesome. Rotary switch, enclosed in the base; the switch may be operated by the hand or the foot, by turning the complete light in clockwise direction, every eighth turn making

and breaking the circuit.

No. 63—Nite Lite. Packed 10 to a carton. Each lite put up on attractive easel which describes many uses. Wt. per 100, 16 lbs. Per 100...\$30.00



A light all night at a cost of less than three cents per week. Modern and practical - indispensable for many uses. The switch in the base turns the light on or off without removing from the outlet. Shade is adjustable. Made of bakelite in all brown finish. Ideal for exits, cellars, hallways, nurseries, stairways, bedrooms, sick rooms, bath, rooms, writing desks clothes closets and telephone stands.

No. 3100B—Complete with bulb. Wt. per carton, 2 lbs. Per 100....\$25.00

A beautiful, sales-inviting counter

display is packed in each unit carton of ten Nite-Lites as shown here. 10 to a carton.

## SOCKET ADAPTER



No. 961-Brown bakelite socket adaptor. Same as No. 1508 but without side outlets. Per 100 ......\$10.00



No. 1508—Brown Bakelite Sock Adapter with two side outlets. Take medium base bulb. Generally use with ordinary 71/2 watt bulb as a night light. Also can be used with cube to extension cord to make auxiliary e tension light. Weight per 100, 10 lb Per 100 ..... .....\$15.0

Packed 10 to a carton.

## NITE-LITE BULBS



For 3100B and other night lights various other small lights using

candalabra base bulb. Also used as replacement bulb to 3207, 3208 and other pilot lights. Siz 2-inches long overall by 1/8 inch diam eter. For 110-120 volt service.

Per 100 ..... 10.0

FIBRE SOCKET EXTENSION



No. 312-For medium base sockets. Extends socket 1% inches. Overall length 2 % inches. Spring center connection. One piece construction with porcelain base Packed 25 to a box. Weight per 100, 5% pounds. Per 100 .....\$7.00

## SOCKET REDUCERS



No. 332-Mogul to medium base reduces Porcelain constructed with spring center connection. Packed 25 to carton. Weight per 100, 6 lbs. Per 100 .....\$25.00

# FLUSH TOGGLE SWITCHES Porcelain Body—Circle F



No. 3136IV—Same as above except wory finish. Per 100 .......\$15.00

Less than 100 7θΔ

100 or more T7Z

No. 3137IV—Same as above except wory finish. Per 100......\$20.00
Dep't-E Less than 100 OVSA
100 or more OXZS

10 to carton. 100 to standard package.



10 to a carton.

#### Monowatt



No. 464—Single Pole 10 Amp. 125
Volt rating. Also T rated for long
life in controlling Tungsten Filament
Lamps. Weight per 100, 12 pounds.
Per 100 ............\$23.00
Less than 100 OAXA
100 or more OVTA

No. 464IV—Same as above except ivory finish. Per 100 ......\$30.00

Less than 100 OTSA

100 or more OOZS

10 to carton. 100 to standard package.

No. 467IV—Same as above except Ivory finish. Per 100 ......\$45.00 Dep't-E Less than 100 X7ZS 100 or more XAXA

10 to carton. 100 to standard package.

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Ivory Finish Switch Lever Bakelite Body—Monowatt



No. 484IV—Single Pole. 10 ampere 125
volt rating. Weight per 100, 13 lbs.
Per 100 .......\$15.00
Less than 100 OZXA
100 or more JXA

No. 487IV—Three-Way. 10 ampere 125 volt rating. Weight per 100, 13 lbs. Per 100 ...........\$22.00 Dep't-E Less than 100 OVJA 100 or more OXAZ 10 to carton. 100 to standard package.

#### PUSH BUTTON SWITCHES



No. 3001—Push Button flush switch; single pole; 5 amperes—250 volts. Weight 30 pounds. Per 100 ...\$20.00 Less than 100 os va 100 or more ozxz

No. 3003—Push button flush switch; 3-way. Standard package, 100. Wt. 36 pounds. Per 100 ......\$30.00 Dep't-2 Less than 100 07 ZS 100 or more 00 X A Standard package, 100.

## MOUNTED TOGGLE SWITCHES



Switches below rated 10 amperes 125 volts, or 5 amperes 250 volts.

No. 300—Single Pole Bakelite Toggle switch mounted on 3¼ inch cadmium outlet box cover. Weight per 100, 25

### Monowatt



Mounted on Bakelite Box Cover.

5 to a carton—50 to std. pkg.

# SURFACE TOGGLE SWITCH Mounted on Zinc Plated Outlet Box Govers.



Switches below rated 10 amps. 125 volt—5 amps. 250 volts,

No. 3017—Three-way switch otherwise same as above. Per 100...\$32.00

Dep't-E

Less than 100 XOVA

100 or more OJXA

5 to carton. 50 to standard package.

No. 3013—Single Pole Surface Toggle Switch with Bakelite Cover mounted on 4 inch metal outlet box cover. Weight per 100, 56 lbs. Per 100.\$20.00 Dep't-E Less than 100 0VSA 100 or more 0XZS

No. 3018—Three-way Switch otherwise same as above. Per 100...\$34.00
Dep't-E Less than 100 XSOA
100 or more XZAZ
5 to carton. 50 to standard package.

### SURFACE TOGGLE SWITCHES



Rated 10 Amps. 125 Volt, 5 amps. 250 volt.

No. 3011—S. P. Toggle Switch Slotted
Bare. Weight per carton 2 pounds. Per
100 ......\$14.25

Less than 100 ozsz
100 or more Jzs

No. 3015—Three-way Toggle, concealed base. Bakelite cover. Weight per carton, 2 lbs. Per 100....\$21.00

Less than 100 OAZS
100 or more OXGZ

No. 3016—Three-way Toggle Slotted Base, Bakelite cover. Weight per carton, 2 lbs. Per 100 .......\$21.00 Dep't-E Less than 100 on zs 100 or more 0x0z 10 to carton, 100 to standard package.

## PORCELAIN SUB-SWITCH BASE KNOX



Dep't-E Less than 100  $\Theta \Delta Z$ 100 or more  $\Delta T \Delta C$ Standard package 100.

# SNAP SWITCHES Standard



Surface snap switches with Brown Bakelite covers. Porcelain base size 2-inch diameter. Center of screw holes 1-7/16 inches. Weight, per 100, 24 pounds.

No. 3002—Three Way with non-indicating cover. Rated 3 amps 125 volt or 1 amp 250 volts. Per 100 .......\$60.00

Dep't-E

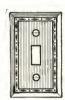
Less than 100 AZJA

100 ro more Ve7A

10 to a carton.

## **BAKELITE SWITCH PLATES**

## FOR TUMBLER SWITCH





No. 9021

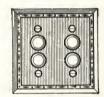
No. 9022

These plates are attractively finished in brown or ivory with a ribbed design. Polished bevels and edges.

a ribbed design. Polished bevels and edges.
No. 9021—1 Gang. For 1 Switch. Weight per 100, 7 pounds. 50 in a carton. Per 100
No. 90211V—Ivory finish otherwise same as above. Per 100. 12.00
No. 9022—2 Gang. For 2 Switches. Weight per 100, 14 pounds. 50 in a carton. Per 100
No. 9022IV—Ivory finish otherwise same as above. Per 100. 25.00
No. 9023—3 Gang. For 3 switches; Weight per 100, 21 pounds.         Per 100       \$20.00         No. 9023IV—Ivory finish otherwise same as above. List per 100       \$35.00         25 to a carton.
20 to a Carton.

#### FOR PUSH SWITCH





No. 9011

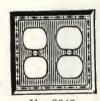
No. 9012

No. 9011-1 Gang. For 1 Switch. Weight per 100, 7 pounds. 50
in a carton. Per 100\$8.00
No. 9011IV—Ivory Finish otherwise same as above. Per 100
No. 9012—2 Gang. For 2 Switches. Weight per 100, 14 pounds. 50 in a carton. Per 100
No. 9012IV—Ivory finish otherwise same as above. Per
100\$20.00

## FOR RECEPTACLES

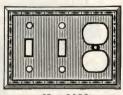






# COMBINATION TYPE TUMBLER SWITCH AND DUPLEX RECEPTACLE





No. 9019

No. 9056

110. 0010
No. 9019—2 Gang. Combination plate for 1 tumbler and 1 Duplex receptacle. Wt., per 100, 15 pounds. 50 to a carter. Per 100. \$15.00
No. 9019IV—Ivory finish otherwise same as above. List per 100\$25.00
No. 9056-3 Gang. Combination plate for 2 tumbler
switches and 1 Duplex Receptacle. 25 in a carton. Weight
per 100, 12 pounds. Per 100\$30.00

## SWITCH PLATE SCREWS

No.	Per 100	.\$0.30
	IV20—Extra Screws for Ivory Switch Plates. Per 100	. \$0.30
	Packed 100 to a bag—Sell full bags only.	



## BEVELED SWITCH PLATES

## CHROMIUM PLATED SWITCH PLATES .040 Gauge Solid Brass



No. 2301-1 Gang. For 1 Tumbler Switch, Packed one to envelope with screws. Put up 25 to a carton. Wt., per 100 14 pounds. Per 100 ......\$25.00



No. 2392-1 Gang. For 1 Duplex Receptacle. Packed one to envelope with screws. Put up 25 to a carton. Weight per 100, 12 pounds. Per 100 .....\$25.00

## ALLOY STEEL PLATES Sprayed Brass Lacquer Finish





No 301P





No. 201T

No 401R

#### RECEPTACLE PLATES

No. 201T-For one Toggle Switch. Weight per 100, 14 pounds. 25 to a carton. Per 100 ......\$5.00 No. 202T-For two toggle switches. Weight per 100, 26 pounds. Per 100 .....\$9.00 No. 301P-For one Push Switch. Weight per 100, 14 pounds.

25 to a carton. Per 100 ......\$5.00 -For one Receptacle Switch. Weight per 100, 13

pounds. 25 to a carton. Per 100 ......\$5.00 

Any of the above plates may be assorted for quantity price.

## HUBBELL SWITCH PLATES .040 Gauge Solid Brass FOR TUMBLER SWITCHES



#### Brushed Brass Finish-

No.	8771—For	1	gang	tumbler	switch.	Per	100	 \$16.00
	8772—For							
140.	8773—For	3	gang	tumbler	switch.	Per	100	 48.00

# -Duro Sprayed-Brass Lacquered Finish-

No. 8781—For 1 gang tumbler switch. Per 100 ...\$15.0 No. 8782—For 2 gang tumbler switch. Per 100 ... \$0.0 No. 8783—For 3 gang tumbler switch. Per 100 ... 45.0

#### FOR PUSH SWITCHES



#### -Brushed Brass Finish-

8511—For 8512—For						
8513—For						

## -Duro Sprayed-Brass Lacquered Finish-

No. 8521—For 1 gang push switch. Per 100 .....\$17.M No. 8522—For 2 gang push switch. Per 100 ..... 34.11 No. 8523—For 3 gang push switch. Per 100 ..... 51.11

### FOR DUPLEX RECEPTACLES



## -Brushed Brass Finish-

No. 6854—For 1 gang duplex receptacle. Per 100 . .\$16.00

-Duro Sprayed-Brass Lacquered Finish-

No. 6784—For 1 gang duplex receptacle. Per 100..\$15.00

## FOR SINGLE RECEPTACLE

-Brushed Brass Finish-

No. 6835—For 1 gang single receptacle. Per 100...\$16M

-Duro Sprayed-Brass Lacquered Finish-

No. 6780—For 1 gang single receptacle. Per 100..\$15.M All above packed 10 to a carton or 100 to standard package

#### PORCELAIN INSULATORS



### GLAZED SPLIT KNOBS

These are Knox produced knobs with following features: Heavy genuine leather under nailheads. Extra heavy unbreakable cap that really grips. Large wireways with positive gripping fins. Extra long No. 16 cement coated rust proof nails.

Number	INC
No. of grooves	2
For wire, size	12-14
Diameter, inches	1 3
Height, inches	13/4
Unit Package	100
Std. pkg. qt	500
Wt. per 1000, lbs	140
Per 1,000	\$32.00

#### CLEATS



No.	334-U2
No. wires	2
Length, inches	33/8
Width, inches	5/8
Groove, inches	16
No. pair per barrel	2000
Wt. per 1000 pair, lbs	200
Per 1,000 pairs	\$32.76
All above unglazed	

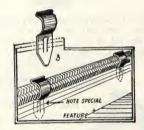
### STANDARD PORCELAIN TUBES



A-inch Hole-18-inch Outside Diameter.

Length, inches	3
Standard package	4500
Wt., per 1000, lbs	62
Per 1,000	\$23.00

#### PUSH-CLIPS



No. 2312—Keep Lamp, Telephone and Radio Wires off the floor. Can be installed instantly. Put up 10 clips to card either Ivory or Tan color. Packed 10 cards of one color to carton. Weight per 100 cards 4 pounds. Per 100 cards .......\$10.00

#### TRIPLE TAP WITH PRONGS



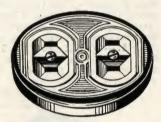
Brown Bakelite triple tap with brass prongs. Converts one way outlet to three way outlet. Size  $2\frac{1}{2}x1\frac{1}{4}$  inches. Takes three flat narrow or two regular size attachment caps.

No. 175—Triple Tap. 10 to a carton. Weight per 100, 11 lbs. Per 100.\$10.00

#### TABLE OR WALL TAPS



Brown Bakelite Table or Wall Tap. Slotted in one end for wire entry. Size 31/8x13/4 inches overall. Supplied with extra wood screws for wall mounting.



Brown Bakelite Table or Wall Tap. Slotted in one end for wire entry. Size 25% x3½ inches overall. Packed 10 to a carton. Weight per carton 1¾ lbs. No. 167—With extra wood screws for Wall mounting. Per 100 . . . . . \$15.00

No. 167IV—Same as above except Ivory finish. Per 100.....\$20.00



Three way Brown Bakelite Tap. One way slotted for wire entry. Size 4½x2% inches overall. Packed 10 to carton. Wt., per 100—24 lbs.

No. 638—Provided with extra wood screws for wall mounting. Per 100 ......\$20.00

#### TRIPLE WALL TAP



Three way Brown Bakelite Wall Tap.
Accommodates three flat narrow or two

round regular style attachment caps. Size 2½x1% inches. Packed 10 to a carton. Weight per 100, 25 pounds.

No. 1594—Complete with wood screws.

## BAKELITE CUBE TAPS



## BAKELITE CUBE TAPS



No. 461—Ivory finish Bakelite Cube Taps with steel blades. Weight per 100 8 pounds. Per 100 . . . . . . . . \$10.00 Packed Bulk.

Packed Bulk. Spring Action



No. 121—Brown Cube Taps with Brass Blades. Spring action plugs or taps can be successfully used to eliminate undue Radio interference caused by other than a tight contact. Weight per 106 6% lbs. Per 100 .....\$10.00

## CORD EXTENDER



No. 506—Brown Bakelite Cord extender. Similar to cube tap but instead of blades has one opening for lamp cord. Packed bulk. Weight per 100, 8 pounds. Per 100 ......\$3.00
No. 5061—Ivory finish Bakelite Cord Extenders. Weight per 100, 8 pounds. Per 100 ...............\$12.00
Packed Bulk.

#### Single Outlet



This handsome brown bakelite outlet is squatty in shape to lie snugly against wall. Note slot finding grooves. The last word in design.

No. 9131—Packed 20 to a carton. Wt. per 100, 8 lbs. Per 100 ......\$10.00

#### . Twin Outlet



No. 172—Duplex Type. Brown bakelite. Packed 20 to a carton. Weight, per 100, 5 lbs. Weight standard package 1 lb. Per 100 . . . . . . . . . \$12.00

#### PENDENT SWITCHES



No. C1-Pendant Switches. Carries 6 ampere rating for 125 volts. 10 to a carton. Weight per 100, 11 lbs. Per 100...\$22.00

#### FEED THROUGH SWITCHES



No. 4700—Brown Bakelite Feed Thru Switch. Carries 6 ampere rating for 125 volts. Recommended for use with wattages up to 660 watts. 10 to carton. Weight per 100, 8 pounds. Per 100

## Heavy Duty

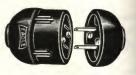


No. 30—Brown Bakelite Feed-Thru Switch. Rocker Type Mechanism. Carries 10 ampere rating for 125 Volts. Offer long life use with wattages up to 1000 watts. 10 to carton. Weight per 100, 10 lbs. Per 100, ......\$25.00

#### CORD CONNECTORS



## All Rubber-Heavy Duty



No. 161—All rubber heavy duty connector with brass blade cap. Wifit up to ½ inch diameter cords, to carton. Weight per 100, 20 pound Per 100 ......\$274



No. 178—Rubber cord connector wi pull handle. Black finish. Takes u to 3% inch diameter cord. Weight w 100, 15 lbs. Per -100 ......\$20.0 Packed Bulk.

#### ATTACHMENT PLUG BASES AND CAPS





No. 618IV—Ivory finish otherwise ame as above. Per 100.....\$6.75

#### BASES AND CAPS



% 616—Brown Bakelite caps. Competi-tive priced grade with steel blades. Wt., Per 100, 4 lbs. Per 100 . . . . . . \$2.00 No. 616IV—Ivory finish otherwise me as above. Per 100 .....\$4.00



No. 614—Brown Bakelite Base only. Com-Above packed in bulk.

#### ARROW GRADE



Ahlgh-grade composition Plug base with ble instead of single contacts insures tight fitting grip always. 8200-Arrow Plug Bases. Packed bulk.

#### leight, per 100, 4 pounds. Per 100..\$10.00 HANDY PLUGS



Handy Plugs make it unnecessary to cip wires, twist them around little rews, hunt for screwdriver, pliers—or discre—to get a proper installation. Dere is but one operation, split the wire, sert it and screw down cap to press wire ainst teeth which pierce insulation to take permanent contact. In addition the tire from side of Handy Plug leads away hish with wall thus enhancing appearme of connection.

16. 1600—Handy Plugs. Mounted on dividual display cards and packed 5 to carton. Each card gives full ap-

#### BAKELITE HANDLE CAP



No. 621S—Bakelite Handle Caps, Black color with steel blades. Packed in bulk. Weight per 100, 8 lbs. Per 100..\$3.50

#### IVORY GRIP CAPS



No. 122-Ivory Bakelite Grip Cap. Flat type with standard size brass blades. Weight per 100, 3 pounds. Per 100 ......\$6.00

Packed 25 to a carton.

#### BROWN GRIP CAPS



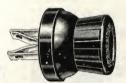
No. 763—Brown Bakelite Grip Caps. Flat Narrow Type with standard size brass blades. Weight per 100, 3 lbs. Per 100 ......\$5.00 Packed 25 to a carton.

## BROWN RUBBER GRIP CAPS



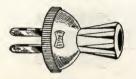
No. 210-Brown Rubber narrow type grip caps with standard size brass blades. Packed 25 to a carton. Wt. per 100, 5 lbs. Per 100 ......\$6.00

## HEAVY DUTY RUBBER HANDLE CAP



No. 127—Heavy duty black rubber handle grip caps with spring action brass blades. Recommended for industrial use with sanding machines, grinders, heavy machinery, etc. For cords up to 10 -in. diameter. Bulk. packed. Weight per box pounds. Per 100 ....\$10.00

## RUBBER HANDLE CAPS Steel Blades



No. R121—Regular size Black Rubber Handle Caps. Equipped with steel blades. Will take up to 36 inch diameter cords. Packed bulk. Weight per 100, 6 pounds. Per 100 ......\$5.00

No. 117—Heavy Duty Rubber Handle Caps. Equipped with brass blades. Will take up to 18 inch diameter cords. Packed 10 to a carton. Weight per 100, 11 pounds. Per 100 .....\$10.00

## SPRING ACTION

Steel Blades



No. 414-Black Rubber Handle Grip Caps with Spring Steel Blades. For cord sizes up to 3/8 inches in diameter. Weight per 100, 6 lbs. Per 100..\$5.00 Packed-Bulk.

### Brass Blades



No. 102-Black rubber handle grip caps with lacquer finish and brass blades. Will take up to 3/8 inch diameter cords. Weight per 100, 534 lbs. Per 100 .....\$7.00

## RUBBER CORD CLAMP CAP



No. 105—Heavy duty rubber attachment cap with spring action brass blades. Adjustable strain relief clamps rigidly attached by rivets to metal top plate. For cords up to 78-inch diameter. 10 to a carton. Weight per 100. 18 pounds. Per 100 .....\$25.00

## SCREWLESS PLUG Sunbeam



No. 2—Made of Bakelite with outside steel grips. Keeps inside contacts tight, prevents arcing and pitting; plug and posts last longer, prevents waste of electricity. Mounted six on a counter display card. Weight per card 1% lbs. Each plug \$0.35

# DELUXE SCREWLESS SWITCH PLUG

With Pull Handle.



No. 113—Brown Monolite Switch Plug with Red Pull Handle and armored sides. Switch rated at 10 amperes and is burn-out proof for wattages up to 1000. Packed 10 to carton. Weight per 100, 20 lbs. Per100. .\$25.00

## WITH SWITCH



No. 111—Brown Monolite Heater Plug with Toggle Switch. Rated at 10 Amperes and is burn-out proof for wattages up to 1000. Packed 10 to a carton. Weight per 100, 17 pounds. Per 100 ......\$20.00

## WIRING DEVICES

SCREWLESS PLUG

C-H Type



The outside contact springs not only hold the plug together but more important they furnish the heavy pressure for good electrical contact between the clips (inside the plug) and the iron prongs. The springs being outside the plug are unaffected by heat and will not loose their tension. The result is perfect electrical contact. Thermoplax body will not char or crumble.

No. 408—Modernistic Heater Plug. Wt. per 100, 15 lbs. Per 100 ....\$10.00

Packed Bulk

## ARMORED PLUG With Handy Pull Grip



No. 109—Regular size black bakelite Armored Appliance plug with handy pull grip. Packed 10 to a carton. Wt., per 100, 13 pounds. Per 100....\$10.00

## BAKELITE PLUG



No. 132—Black bakelite medium size plug. Fits all standard appliances. 10 in a carton. Weight, per 100, 11 pounds. Per 100 ............\$8.00

## PONY PLUG

Midget Size



Small size black bakelite Pony Plug. Fits round terminals having ½-inch center to center measurement same as used on many new appliances now.

No. 48—Packed 10 to a carton. Wt., per 100, 14 pounds. Per 100..\$10.00

#### PULL CORDS



No. 1599—4 foot White Cord for pull receptacles with pendant cap and connector. Packed bulk. Weight per 100, 1½ pounds. Per 100 .....\$4.00

#### LUMINOUS PENDANTS



Shows where the light switch is, saves falling over unseen objects, stubbing bare toes, etc.

No. X1—1¼ inches long; ¼ inch diameter. Individually mounted one on a card; four connected. Per 100 .......\$10.53
Packed 5 cards of 4 connected in a box.

#### BEADED CHAIN



3 feet of brass finish chain on each card. Bell connector on one end and ball chain connector on the other. Used as extension or repair chain for pull chain sockets.

No. 6—Per card ......\$0.10

## DETACHABLE INSULATORS



No. 701—Detachable Insulator; standard package, 100; Wt., 2 lbs. Per 100....\$4.00

#### COILLETTE SPRINGS



#### **EXTENSION SETS**



No. C6—Handy extension sets, made of the new rubber Rip-Flex parallel Brown lamp cord size 18. 6 feet long with bakelite cube tap allowing for three outlets.

Per 100 .....\$23.00 Dep't-E OAAZ

Weight per 100, 27 pounds.

No. C9—Same as above but 9 feet long.

Per 100 ......\$29.00

Dep't-E 07 T Z

Weight per 100 34 pounds.

No. C12—Same as above but 12 feet long.
Weight per 100, 54 lbs. Per 100.\$33.00
Dep't-E XSZS

 No. C15—Same as above but 15 feet

 long. Weight per 100, 62 pounds. Per

 100
 \$39.00

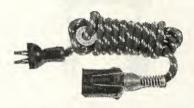
 Dep'1-E
 XASZ



All above packed bulk.

## WIRING DEVICES DELUXE CORD SETS

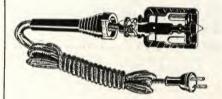
Seine Twine Braid



Made with 8 feet 16 gauge 10,000 Cycle Seine Twine Braid Cord. Equipped with cold molded asbestos heat proof screwless type plug and Spring action rubber handle cap. Long cord life assured by tough durable seine twine braid construction. Carries underwriters do-nut label approval.

No. B1016—8 feet long, 16 gauge 10,000 cycle Seine Twine Braid De-Luxe Cord Set. One to a carton. Wt. per 100, 62 pounds. Per 100....\$79.00 Dep't-E

CORD SET
Sta-Tite



Sta-Tite Bronze Blades with long grip stem assures perfect contact and holding tight in receptacle. Fibre washer holds cord restrain. Wires fasten outside connector housing. Will not crystalize or burn. Rubber insulator makes connector shock-proof. Also cool handle grip.

Shock Proof Super Quality Heater Cord Set—7 ft. 10,000 cycle black and gold pattern cord, Do-Nut Blue Label Underwriters approved. Equipped with riveted type trouble proof and shock proof connector and Sta-Tite plug with genuine bronze blades.

No. 65—Sta-Tite Cord Set. One to a carton with cellophane window. Wt. per 100, 50 lbs. Per 100.....\$50.00 Dep't-E

# HATFIELD EXCEL CORD SET Seine Twine Braid



Made with 8 feet 18 gauge 10000 cycle Twine Braid Cord.

Tough outer twine braid covering wears longer than ordinary Rayon or cotton coverings.

High heat, break-proof, cold mold plug with bakelite strain reliefs will withstand all types of abuse. All plugs are equipped with long life bimetal contacts to prevent pitting and breakdowns.

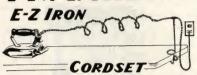
Carries new Underwriters Do-Nut label approval. Guaranteed for one year.

No. X816—8 foot long 16 gauge 10,000 cycle Twin Braid Cord Set. Packed one to a display carton. Weight per 100, 60 pounds. Per 100 .....\$69.00 Dep't-E ASZS



ELASTICORD CORD SET

## FRANKLIN



The "F-E" combination consists of 8 ft. of combination Elasticord—four feet straight—and a stand that slips on or off the ironing board in an instant. Carries the Underwriters' 3000 Cycle label. Equipped with C-H type Iron Plug and spring action attachment cap.

No. 70C—Weight each, 34 pound. Each .....\$0.75

#### ALL RUBBER CORD SET



No. A104—Rubber sheathed heater cord set. Regular approved cord set with rubber covering over entire length of 6 ft. cord. Brown in color with brown one-piece standard rubber cap and brown Hatfield screwless heaterplug. Per 100 .....\$49.00

#### Hatfi Id Gold Label Cord Sets



Especially high grade heater cord set—none better at any price. 7 feet long extra flexible heavy glazed heater cord 10,000 cycle with all rubber one piece non-breakable cap and screwless molded heat proof iron plugs. This set is especially recommended for hard usage and long wear—Guaranteed for one year. Do-nut label approved.

No. H52—16 gauge. 104-36 ga. strands to each conductor. Gold Label Senior. Wt. per 100, 57 lbs. Per 100...\$50.00 No. H53—18 gauge, 65-36 ga. strands to each conductor. Gold Label Junior. Wt. per 100, 58 lbs. Per 100...\$40.00

## SWITCH PLUG CORD SETS

No. H54—16 gauge Gold Label Senior cord set with high grade switch plug rated at 10 amperes (1000 watts) Wt. per 100, 58 lbs. Per 100 ...\$65.00

## WIRING DEVICES

Hatfield SWITCH PLUG CORD SET



Made with 7 feet No. 18 extra flexible 10,000 cycle glazed cord with rubber attachment plug and Armored Bakelite Switch Plug with Kool Grip Handle. Switch rated at 10 amperes (1000 Watts.)

No. A103—18 gauge. 65-36 gauge strands to each conductor. Weight per 100, 50 lbs. Per 100 ......\$52.00

#### Hatfield



No. H50—5½ feet long attractive rayon covered heater cord set with one piece bakelite cap. High grade bakelite heater plug to withstand much use. Per 100 ...............................\$19.00



# CORD SETS Pony Plug Cord Set



No. D1001M—6 foot 3000 Cycle No. 18 Glazed Heater Cord using rubber attachment cap and small size black cold mold pony plug. Pony plug will fit Silex and other appliances using small size plugs. Do-nut label approved. Per 100 ................\$30.00

#### CORD SET

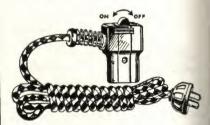
Monowatt



No. 84DL—6 ft. 3000 cycle glazed heater cord. Special heat resisting pull plug. Exclusively designed rubber sleeve vulcanized to cord serves as strain relief. This feature reduces to a minimum short circuits. Do-Nut label approved. Per 100 . . . . . \$35.00 Weight per 100, 33 pounds.

Packed Bulk.

## SWITCH PLUG CORD SETS



No. 500—6 ft. 3000 cycle Cord with high grade bakelite 10 amp. switch plug and bakelite attachment cap. Switch located at top of plug for convenient operation. Carries full underwriters approval. Weight per 100, 34 pounds. Per 100 .......\$39.00

## LOOMWIRE CONNECTORS

Cadmium Plated—Without Inspection Slots

Cable Passes Through Connector Without Removing Outer Braid.

	Cat. No.	K.O. Size	Open I.D.	Closed I.D.	FITS SIZES SHOWN  Loom Wire		Carton Quan.	Weight Per 100	List Per 100
<b>A</b>	650	1/2	9/16	1/4	14-2 12-2	14-3 12-3	50	8	\$7.00
	9050	1/2	5/8	3/8	14-2 12-2	14-3 12-3	50	8	500

# COMBINATION LOOMWIRE OR A.B.C. ARMORED CABLE CONNECTORS Cadmium Plated—With Inspection Slots for Cable Bushings

Cat. No. 1701V	K.O. Size	Open I.D.	Closed I.D.	FITS SIZES SHOWN  Loomwire or ABC Armored Cable  14-2 14-3 12-2 12-3 10-2	Carton Quan.	Weight Per 100	List Per 100
2163EZ	1/2	5/8	3/8	14-2 12-2 10-2 14-3 12-3	50	8	5.00

# A.B.C. ARMORED CABLE AND FLEXIBLE CONDUIT CONNECTORS Set Screw, Tite Bite, Hinged Types Cadmium Plated—With Inspection Slots for Cable Bushing

Room	Cat.	K.O.	Open Closed		FITS	SIZES SHO	OWN	Contact	337 * 1 4	
TAB	No.	Size	I.D.	I.D.		Armored able	Flexible Conduit	Carton Quan.	Weight Per 100	Per 100
Set Screw Type	240V	1/2	41/64	1/2	14-2 12-2 10-2	14-3 12-3	3/8	50	8	\$4.00
A SO	2166EZ	1/2	15/16	3/4			1/2	25	15	\$12.00
	2167EZ	3/4	-11/8	7/8	6–3	4–3	3/4	25	22	18.00
Hinged Type	2169EZ	1	117/12	11/8			1	5	30	30.00
M Degree Angle Type	2210EZ	1/2	11/16	3/62	14-2 12-2 10-2	14-3 12-3	3/8	50	18	16.00

p. nn-00,

## **ELECTRICAL ACCESSORIES**

# FLEXLAY UNDERGROUND CABLE National



## Non-Metallic Flexlay Underground

Non-Metallic Flexlay Underground Cable is now being universally used for Ornamental Street Lighting, Park Lighting, Yard Lighting, or any form of Outdoor Lighting.

Full-Metallic Flexlay has the additional features of a lead covering around conductors over which two steel tapes are wound for protection from mechanical injuries.

Flexlay Cable is available only on special order in one two or more conductors construction in any particular wire size desired. Most generally specified for 0-600 volt service.

Can be produced for heavier voltage service if necessary.

Considering the very special character prices on this material are based on the exact footage needed.

When writing for price it is important to specify:

Exact footage.

How many conductors

Size Conductors

Non or Full Metallic type.

# UNDERGROUND TRENCHWIRE CRESCENT IMPERVEX



CRESCENT IMPERVEX TRENCHWIRE is a low-cost, single conductor, non-metallic wire, especially designed for direct earth burial. It is particularly suitable for use for underground services from power line to service switch, for connecting several buildings from the same service, as on farms, estates, and institutions; and for street, airport, and other outdoor lighting.

Two or more IMPERVEX TRENCHWIRES are laid parallel to form a cable, or, with the approval of the local inspection authorities, a bare copper wire may be used as the grounded conductor with one or more Trenchwires, thus further decreasing the cable cost. Approved by Underwriters' Laboratories.

			Outside	Shipping Wt.
SIZE	Insul. Thick	ζ.	Diam.	in Coils
		Conductor	Inch	Lbs. per M'
12	3	Solid	.305	`85
10	3	Solid	.325	105
8	4	Solid	.385	140
6	4	Stranded	.440	190
Per 1000'-				List
No 12	_			\$60.00
NO. 12				70.00
No. 10				/ 0.00
No. 8 .				100.00
No. 6 .				135.00



## **CABLES**

#### \*LOOMWIRE

National Canvasback
—Underwriters Approved—



A high grade non-metallic Sheathed cable produced with moisture and fire resistant covering and conductors. Also mold and rot resisting. Patented slick finish allows for clean handling.

Size of	Cable	Ft. Coll	Wt. Coll	Wt.,1000 Ft.	List Per 1000
14-2		250	26	104	\$46.00
12-2		200	25	125	74.00
10-2		200	31	155	98.00
14-3		200	33	165	82.00
12-3		200	40	200	112.00
10-3		200	50	250	125.00
8-3		125	50	400	210.00
6-3		125	72	576	320.00

### Loom Wire with Ground Wire

14-2W.G.	250	27	108	53.00
12-2W.G.	200	27	135	82.00

 Similar Non-Metallic cables to Loomwire branded by trade names such as Romex, Durex Efco—Flex Etc.

## NATIONAL FLEXSTEEL A. B. C. ARMORED BUSHED CABLE

Underwriters Approved.



National Flexsteel A. B. C. Armored Bushed Cable made to take Anti-Shorts Insulating. Bushing inside terminal end is fool-proof as to grounds and shorts, and eliminates the difficulties which have previously wasted wireman's time installing armored Cable. The Steel Armor is of Bond Hook construction, that materially increases the safety margin of all installation.

14-2	Ft. per Coil 250	Ap. Wt., Per 1000 ft. 252	No. Bushings Fur. each coil 35	Per 1000 Ft. \$ 54.00
12-2	250	288	35	82.00
10-2	250	340	35	102.00
.8-2	150	607	20	163.00
±6-2	100	700	16	260.00
14-3	250	296	35	84.00
12-3	250	360	35	108.00
10-3	250	416	35	140.00
8-3	150	720	20	214.00
<b>‡6-3</b>	100	850	16	294.00

\*Made of Stranded Wire Only. Other sizes made of solid wire

## ANTI-SHORT BUSHINGS

## LOOM WIRE STRAPS



We do not break boxes-Sell full 5 lb. boxes only.



No. 9011—Straps for 14-2, 12-2 or 10-2 Loomwire. A neat but sturdy, small size strap that will greatly improve the looks of every installation, especially surface wiring jobs. Galvanized. Standard package, 1000. Unit package 100. Weight per 1000. 7 pounds. Per 100

#### CABLE RIPPER AND WIRE GAUGE



For use on non-metallic sheathed duplex cable or lead covered cable. Ripper is squeezed onto the cable and pulled, ripping the cable in one simple operation. The cutting point is case hardened—for use on cable up to 5%-inch diameter. Equipped with gauge for measuring wires sizes from No. 6 to No. 14.

### CABLE CLAMPS



Simply hit the head of the cable strap with a hammer, and the cable is quickly and securely held in place. Will fit Armored Cable or Non-Metallic Sheathed Cable in sizes 14-2, 14-3, 12-2, 12-3, 10-2 and 10-3.

## BLAKE INSULATED STAPLES



No.	1—For	single	wire	or	twisted	pair.	Per	100 .		\$ 0.50
No.	3—For	single	wire	or	twisted p	pair.	Per 1	00		 .50
No.	5—For	heavy	pair	or	twisted t	three	wire.	Per	100	 .60
Na	6 For	hoove	nois	OF	twicted (	hwaa	-	Don	100	00

Packed 100 in a box, 1,000 in a carton. Note—De not break boxes

## **ELECTRICAL ACCESSORIES**

All Materials on this page are Underwriters Approved.

## SERVICE ENTRANCE CABLE CONNECTORS



Made to fit All Sizes Service Entrance and other types of cables having measurement not smaller than 5% inch or larger than 1% inch diameter. Knockout size 3/4-inch. Cadmium plated.

## SERVICE ENTRANCE CABLE STRAPS



#### ENTRANCE CABLE STRAPS



No. 724—Entrance Cable Straps for 36-O Armored and Unarmored Cable. An inexpensive strap cut from galvanized sheet iron. Ribbed for strength. Put up in 5 lb. boxes containing about 125 straps. Per 100 lbs....\$25.00 We do not break boxes. Sell full 5 pound boxes only.

# WATERTIGHT BOX CONNECTORS (For Use With Service Entrance Cable)



Designed with rubber bushing and metal retainer to make a tight, snug fit over outer sheathing of the cable. To install, it is not necessary to strip the cable as the entire cable passes through the connector. Galvanized Malleable Iron.

Number	Pipe Thread, Size	Fits Cables Armored and Unarmored	Std. Pkg.	Unit Carton	Weight per 100	List per 100
2402A	1° 1° 1°	28R	100	10	19	\$72.00
2402B		38-O	100	10	19	72.00
2402C		36-O	100	10	27	72.00

## SERVICE ENTRANCE CABLE CAPS



No. 5551—Die Cast Aluminum Cap. Fits 36-O Armored and Unarmored cable. Standard package, 50. Unit carton 5. Weight per 100, 25 pounds. Per 100 .......\$75.00

# ENTRANCE CABLE CAPS Universal Type



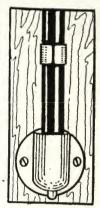
No. 1200S—Entrance Cable Caps. Equipped with reversible type clamp. Can be used with all sizes Entrance Cable. Cadmium finish. 5 to a carton. 50 to standard package. Weight per 100, 60 lbs. Per 100 .......\$50.00



## **ELECTRICAL ACCESSORIES**

## SERVICE ENTRANCE CABLE SILL PLATES

"Raco All-Steel"



"Raco" All-Steel Sill Plates provide metallic protection to the Service Entrance Cable at the most hazardous point, that is, where it enters the house. Does away with unsightly bends and makes a more finished and safe installation.

Furnished with DuxSeal Weatherproof Compound which is compressed around the cable and fills up the hole when the plate is screwed down. By using DuxSeal Compound the hole can be drilled in a downward position and a longer sweep bend in the cable is made possible. "Raco" All-Steel Sill Plates are furnished with two hotdipped galvanized screws.

No. 163C—Sill Plates. Can be used with all sizes Service

## **ALUMINUM WALL FLANGES**



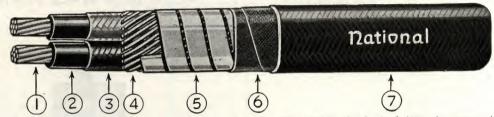
This flange is used to close opening where the cable enters the building. It is hollowed out and filled with our waterproof compound. When the flange is fastened to the wall the compound is forced around the cable, sealing the opening, preventing water following the cable. Can be used with sizes No. 8-3 conductor, No. 6-3 conductor and No. 4-3 conductor Entrance Cable.

No. 795-Wall Flange. Packed 10 to a carton or 50 to a standard Entrance Cable. Standard package, 100. Unit carton, 10.
Weight per 100, 10 pounds. Per 100 .......\$40.00 package. Weight, per 100, pounds. Per 100 .......\$25.00



## NATIONAL SERVICE ENTRANCE CABLE

Type "SE"-Style A, with steel tape over neutral conductor.



- Tinned copper conductors—all sizes stranded, except (1) No. 10 and 12 are solid.
- 30% Performance Test Grade of rubber insulation-(2) N.E.C. thickness for 600 volts. Moisture-resistant and flame-retardant Safecote fin-
- (3) ished cotton braid.
- Uninsulated neutral conductor of small sized tinned copper wires concentrically applied over the insulated conductor of 2-conductor assemblies or over the parallel-laid insulated conductors of 3-conductor types.
- Flat galvanized steel tape to prevent current theft. (5)
- Two heavy double-faced rubber-filled tapes applied (6)with at least 1/4 inch lap.
- (7) Heavy closely-woven cotton braid thoroughly impregnated and finished with special compounds to render a moisture-resistant, flame-retardant covering—Safecote saturation and slick finish. Standard color-Battleship gray.

Stock	Total	Type Co	nductors	Shape	Standard	Weight	List	
Number	Conductors	Insulated Bare Neutral		Snape	Coil Lengths	per 1000 ft.	per 1000 ft.	
212-RA	2	1–12	1–12	Round	250 ft.	120	\$125.00	
212-OA	2	2–12		Oval	250 ft.	120	140.00	
312-OA	3	2-12	1–12	Oval	250 ft.	200	190.00	
312-RA	3	3–12		Round	250 ft.	200	200.00	
210-RA	2	1-10	1-10	Round	250 ft.	130	150.00	
310-OA	3	2-10	1-10	Oval	250 ft.	250	200.00	
28-RA	2	1- 8	1- 8	Round	. 250 ft.	240	170.00	
38-OA	3	2- 8	1-8	Oval	250 ft.	360	260.00	
36-OA	3	2- 6	1- 6	Oval	150 ft.	490	320.00	

## TYPE SE-STYLE U UNARMORED Similar to Type S.E.—Style A but without steel tape over Neutral Conductor.

C 1	T 1	Type Co	nductors	Shape	Standard	Weight	List
Stock Number	Total Conductors	Insulated	Bare Neutral	Snape	Coil Lengths	per 1000 ft.	per 1000 ft.
212-RU	2	1–12	1-12	Round	250 ft.	120	\$120.00
212-OU	2	2–12		Oval .	250 ft.	120	135.00
312-OU	3	2-12	1-12	Oval	250 ft.	200	170.00
312-RU	3	3-12		Round	250 ft.	200	190.00
210-RU	2	1–10	1-10	Round	250 ft.	130	130.00
310-OU	3	2-10	1–10	Oval	250 ft.	250	185.00
28-RU	2	1-8	1- 8	Round	250 ft.	240	160.00
38-OU	3	2- 8	1- 8	Oval	250 ft.	360	220.00
36-OU	3	2- 6	1- 6	Oval	150 ft.	490	250.00

## **ELECTRICAL ACCESSORIES**

## TUFF-CORD RUBBER PORTABLE CORD Underwriters Approved



National Tuff-Cord will withstand very severe abuse and rough handling. Conductors cotton wound and insulated with 30 percent High-grade rubber compound. The conductors are then twisted together with cotton cord fillers and then wrapped with a fine cotton yarn. The entire assembly is covered with a 40 percent high-grade selected rubber.

#### TYPE S-TWO CONDUCTOR

Can be used for service up to 600 Volts. Recommended for Heavy Duty use such as Garage and Factory Extension cords and for Portable Electric Tools.

No.	Size B. & S.	Number and   Size of Strands	Overali Diameter	Carrying Capacity Amperes	Weight Per 1000 ft.	List Per 1000 ft.
182S	18	41—No. 34	3.8"	3	71	\$45.00
162S	16	65—No. 34	7-16"	6	80	60.00
142S	14	41No. 30	17-32"	15	137	110.00

Above put up in 250 feet Coils.

#### TYPE SJ-TWO CONDUCTOR

Can be used for service up to 300 Volts. Recommended for light portable cords, vacuum cleaners, washing machines, etc.

No.	Size B. & S.	Number and Size of Strands	Overall Diameter	Carrying Capacity Amperes	Weight Per 1000 ft.	List Per 1000 ft.
182SJ	18	16—No. 30	5-16"	3 6	49	\$30.00
162SJ	16	26—No. 30	11-32"		63	40.00

#### TYPE SV-TWO CONDUCTOR

Similar in construction to type S.J. excepting built to a smaller diameter for use with especially vacuum cleaners.

No.	Size B & S	Number and Size of Strands	Diameter Overall	Carrying Capacity, Amperes	Weight Per 1000 ft.	List Per 1000 ft.
182SV	18	41 No. 34	1/4"	3	35	\$25.00

Above put up on 250 foot Metal Spools.

# RUBBER PORTABLE CORD Non-Approved



Hatex Junior produced in solid rubber construction without cotton cord filler. Can be used for service up to 300 volts. An ideal and competitive priced cord for extension lights, vacuum cleaners, washing machines, etc.

No. 182HJ—Size 18 B. & S. 16 No. 30 strands of wire. Overall diameter  $\frac{9}{32}$  inch. Carrying capacity 3 amperes. Weight per 1000 feet, 53 lbs. Per 100 feet ......\$20.00 Put up on 250 foot Metal Spools.

# ANNUNCIATOR WIRE Number 18. Single.

## 

For bells, annunciator wiring, blasting purposes, etc., insulated and saturated copper wire.

ON SPOOL	
No.	618
Wire Gauge, B. & S	18
Weight spool, pounds	6 to 8
Per 100 pounds	\$48.00
About 155 feet to the pound.	





 Nos.
 518
 518½

 Wire Gauge, B. & S.
 18
 18

 Weight per carton, pounds
 1
 ½

 Per 100 pounds
 \$48.00
 \$50.00

 No. 2518—18 gauge; 25 ft. coils. Per 100 coils
 \$10.00

 25 ft. coils in bulk and are not in individual cartons.

#### BRAIDED THERMOSTAT CABLE



These cables are designed for wiring thermostat equipment used in connection with heating and air conditioning installation. Each conductor is bright annealed copper wire with a double serving of heavy impregnated cotton with a substantial overall wax impregnated cotton braid. Each conductor is color coded for circuit indentification.

No. 18—3-Braided 3 Conductor 18 gauge Thermostat Cable. Put up 250 feet to spool. Weight per 1000 feet, 22 pounds. About 45 feet to pound. Per 1000 feet ....\$15.00

## TWISTED BREWERY CORD



Twisted and stranded Black Weatherproofed Cord for damp installations. Also used for outside work. Especially adapted for street lighting decorative streamers. Each conductor covered with Black and White rubber insulation for polarity identification.

		Size	No. and size		List per
		B. & S.	of strands	1000 ft.	1000 ft.
No.	18CB	18	16-Nc. 30 Ga.	32	\$25.00
No.	16CB	16	26-Ne. 30 Ga.	40	32.00
		Above put	up on 250 foot	Coils.	

# ALLOWABLE CURRENT CARRYING CAPACITIES OF WIRES AND CONDUIT SIZES

## FROM NATIONAL ELECTRIC CODE, 1935 EDITION

	Ampere Carrying Ca	Ampere Carrying Capacity for 600 Volts and Less		Number of Wires in 1 Conduit								
Wire	Types of Insulation		1	2	3	4	5	6	7	8	9	
Size	Rubber Covered	Other Insulation and Bare Conductors			I	Minimu	m Cond	luit Size	e			
18 16 14 12 10 8 6 5 4 3 2 1 0 00 000	3 6 15 20 25 35 50 55 70 80 90 100 125 150 175	6 10 20 30 35 50 70 80 90 100 125 150 200 225 275	1/2/2/2/2/2/2/2/4/4/4/4/4/4/4/4/4/4/4/4/	1/2 1/2 3/4 1 1/4 1/4 1/4 1/2 2 2	1/2 1/2 3/4 1 1/4/4 1/4/4 1/4/4 1/2 2 2	1/2 3/4 3/4 1 1/4 1/4 1/4 1/2 2 2 2/2 2/2	3/4 3/4 1 11/4 11/2 2 11/2 2 2 2 21/2 2 21/2 3	3/4 1 1 11/4 11/2 2 2 2 21/2 21/2 3 3	$ \begin{array}{c} 3/4 \\ 1 \\ 1 \\ 1/4 \\ 1/4 \end{array} $ $ \begin{array}{c} 2 \\ 2 \\ 2 \\ 2 \\ 2/2 \end{array} $ $ \begin{array}{c} 3/4 \\ 3/4 \\ 3/4 \end{array} $	$\begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 4 \\ 1 \\ 4 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2$	1 11/4 11/4 11/2 2 22/2 21/2 21/2 3 31/2 31/2	

## FOR LEAD COVERED WIRES AND CABLES-600 VOLTS

-			SIZE OF	CONDU	т то со	NTAIN 1	NOT MOI	RE THAN	FOUR C	CABLES		
	Single Conductor Cable			2-Conductor Cable			3-Conductor Cable					
Size of Conductor	1	2	3	4	1	2	3	4	1	2	3	4
	Cables in One Conduit			Cables in One Conduit			Cables in One Conduit					
14 12 10 8	1/2 1/2 1/2 1/2 1/2	3/4 3/4 3/4 1	3/4 3/4 1 1 <sup>1</sup> /4	1 1 1 1½	3/4 3/4 3/4 1	1 1 1 <sup>1</sup> / <sub>4</sub> 1 <sup>1</sup> / <sub>4</sub>	$\begin{array}{c c} 1 \\ 1\frac{1}{4} \\ 1\frac{1}{4} \\ 1\frac{1}{2} \end{array}$	$\begin{array}{c} 1\frac{1}{4} \\ 1\frac{1}{4} \\ 1\frac{1}{2} \\ 2 \end{array}$	1 1 1 1	$1\frac{1}{4}$ $1\frac{1}{4}$ $1\frac{1}{2}$ $2$	$1\frac{1}{2}$ $1\frac{1}{2}$ $2$	1½ 2 2 2½

## WIRES AND CORD ALL UNDERWRITER APPROVED

## SINGLE BRAID RUBBER-COVERED WIRES

Solid Copper Conductors



NATIONAL—Safecote "Fire-Stop" Single braid wire for service up to 600 volts. Type R. Finish—Smooth, slick, polished, works easier, fishes easier. Hard patent leather like finish does not crumple, smear, peel or change in weather.

	white or Black Colors.							
			Rubber	Dia.	Wt.	List		
		B& S.	Wall	Overall	Lbs. per	per		
		Gauge	Ins.	Ins.	1000 ft.	1000 ft.		
No.	8SB	8	4-64	.28	76	\$58.00		
No.	10SB	10	3-64	.23	56	37.00		
No.	12SB	12	3-64	.21	39	27.00		
		White, Black	ck, Red a	and Green	Colors			
No.	14 <b>SB</b>	14	3-64	.19	28	19.20		
		Put	up 500 fe	eet to coil.				

## DOUBLE BRAID RUBBER COVERED WIRES Stranded Conductor



Black or White Covering

	271441	OT ILTER	COVCILI	9.0	
		Rubber	Dia.	Wt.	List
	B. & S.	Wall	Overall	Lbs. per	Per
	Gauge	Ins.	Ins.	1000 ft.	1000 ft.
No. 4DB	4	4-64	.43	186	\$60.00
	Black, V	Vhite or F	Red Cover	ring.	
No. 6DB	6	4-64	.38	128	50.00
	Put	ip 500 fee	t to a coi	l.	

Note—We can fill at once orders for Double Braid Stranded Wire in sizes 2, 1, 1/0, 2/0, 3/0, and 4/0.

## SOLID WEATHERPROOF Soft Drawn Triple Braid



	Approx. W	t., 1bs.	Approx, Dia,	Price per
B. & S.	Per	Per	Over Insulation	100 lbs.
Gauge	1,000 ft.	Mile	Inches	
No. 4	164			\$48.00
No. 6	112	590	9-16	\$62.40
No. 8	75	395	17-64	64.80
No. 10	53	280	1/4	66.30
No. 12	35	185	7-32	72.40
No. 14	25	130	3-16	76.85
Coils contain	approximately	v 500 feet	wire.	1 - 1 - 1

## LEAD COVERED CABLE



## For 600 Volt Service and Less.

Cable made up of Solid Copper Conductors covered by inch rubber walls around which is wound a moisture-proof retardant tape. The outside Lead Sheath is 1-32 inch thick.

No. 14-2-Twin Conductor Lead-Weight per 1000 feet, 225 lbs.
Per 1000 ft\$60.00
No. 14-3-Three Conductor Lead Cable-Weight per 1000
feet, 500 lbs. Per 1000 feet\$142.00
No. 12-2-Twin Conductor Lead Cable. Weight per 1000 feet,
360 pounds. Per 1000 feet\$95.00
No. 12-3-Three Conductor Lead Cable-Weight per 1000
feet, 680 lbs. Per 1000 feet
Put up on 500 foot rolls.

## TYPE "C" TWISTED LAMP CORD



Lamp Cord—Type C. Colors Green and yellow or Brown with red tracer. Twisted pair cotton braid over each conductor.

Packed, 250 feet to spool.

Nos.	16	18
B. & S. Gauge	16	18
Thickness insulation, inches		1-32
Weight, 1,000 ft., lbs	37	29
Cotton—Per 1,000 feet	\$24.00	\$18.50

## PARALLEL SILK LAMP CORDS



We carry in stock the following colors of 18—1-64 Parallel approved Silk Lamp Cord: Maroon, Brown and Gold Silk. Packed 250 feet to a spool.

## RIP FLEX LAMP CORD



A good quality rubber lamp cord with parallel conductors, each conductor being partially separated from the other by a seam between them. Conductors separate and strip easily.

Colors: Brown, Maroon, Ivory, White and Black.

Put up on 250 foot spools.

## HEATER CORD Color Black With Yellow Tracers

3,000 cycle type H. P. D. Glazed Cotton cover.



Nos.	16-3	18-3
B. & S. Gauge	16	18
Stranding	65/34	41/34
Weight, 1,000 feet, lbs		32
Per 1000 feet	\$25.00	\$21.00

## 10,000 CYCLE EXTRA FLEXIBLE

## STRANDED FIXTURE WIRE Oak-Tan

## 

Constructed of 16 strands 30 soft bare copper wires bunched together. Cotton wrapped with 1-64th new code rubber insulation with glazed braid over the rubber.

No. 18—1-64—Weight per 1000 feet, 11 lbs. Per 1,000 ft....\$6.78
Put up 500 feet to a spool.

## CONDUIT AND FITTINGS

"All materials on this page Underwriters Approved."

#### THIN WALL CONDUIT



Electrictube, known to the trade as Light Wall Conduit, is produced from cold rolled steel strip formed cold and with an electrically welded seam. Electrictube is exceeding duttle, bends readily, and has the same inside diameters as rigid conduit. Exterior surface is coated with zinc, evenly deposited by electro-praining process, and inner surface with enamel properly baked to prevent flaking or stickiness.

Size	Exterior	Interior	Ap. Wt.,	Per
	Inches	Inches	Per 1000 ft.	100 ft.
14-inch	.706	.622	321 lbs.	\$6.00
% -inch	.922	.824	488 lbs.	9.15
1 -inch	1.163	1.049	711 lbs.	10.00
14-inch	1.508	1.380	985 lbs.	28.00

Furnished only in 10-Foot Lengths—We do not cut.

### T. & B. ADAPTERS



Slip an adaptor over the end of threadless Thin Wall Conduit and the result bring a threaded end which can be screwed into any rigid conduit or regular pipe fitting.

		Size	Std.	Unit	Wt.	Per
			Pkg.	Pkg.	Per 100	100
No.	1050	1/2 -inch	200	50	21/2	\$ 8.00
No.	1075	%-inch	100	25	5	12.00
No.	1090	1 -inch	50	25	6	20.00
No.	1125	11/4-inch	20	5	10	35.00

## WATER TIGHT THINWALL FITTINGS

Cadmium plated. With slotted steel compression rings and watertight brass sealing rings. Approved by Underwriters.

### COUPLINGS



		Size	Std. Pkg.	Unit Pkg.	Wt. Per 100	Per 100
No. 5	120	1/2-inch	200	50	13	\$18.00
No. 5	220	%-inch	100	25	20	26.00
No. 5		1 -inch	50	25	28	38.00
No. 5		1 1/4 -inch	25	5	60	86.00
		CC	NNECT	ORS		

With slotted steel compression rings and watertight brass sealing rings.

		Siza	Std.	Unit	Wt.	Per
			Pkg.	Pkg.	Per 100	100
No. 51	21	1/4 -inch	200	50	12	\$16.00
No. 52	21	% -inch	100	25	18	22.00
No. 53	21	1 -inch	50	25	26	38.00
No. 54	31	14-inch	25	5	60	86.00

#### NON-WATERTIGHT THINWALL FITTINGS





No. 4270 coupling

No. 4271 connector.

Cadmium plated all-steel fittings are designed to meet the demand for better, lighter and lower priced couplings and connectors where a watertight job is not required. Approved by Underwriters Laboratories (except for use in concrete or wet locations).

	Size	Std. Pkg.		Wt. per	Per 100
No. 4270	1/2	200	50	11	\$10.50
No. 4271	1/2	200	50	9	9.50

## **BOX CONECTORS 90 DEGREE**



## FOR THINWALL CONDUIT

	Size	Pkg.	Unit Pkg.	Wt. Per 100	Per 100
No. 4230	1/4-inch	50	25	21	\$45.00
No. 4231	%-inch	50	25	32	75.00
No. 4232	1 -inch	25	5	52	90.00
No. 4232	14-inch	10	2	100	195.00

#### BENDERS FOR THIN WALL CONDUIT



T & B Benders bend the tubing easily and accurately in one sweep. All bends can be made either by a sweep of the handle or with bender reversed, using the tubing as a lever.

This tool provides the necessary support for side walls, eliminating all chance of kinking at the bend. It forms a perfectly smooth, round raceway for the conductors in any type of curve. 90° angle standard radius elbows can be made in a jiffy.

	Size	Std. Pkg.	Wt., Each	Each
No. 4195	1/2-inch	1	2.5	\$3.30
No. 4196	%-inch	1	4.2	4.95
No. 4197	1 -inch	1	7	7.75



## WIRING DEVICES

## BRIEGEL TYPE FITTINGS FOR THIN WALL CONDUIT

The Briegel Method of Coupling Electrical Tubing is a new, simple and economical means of installation. Briefly it is the simple operation of slipping the tubing into the Briegel Coupling or Connector and putting four indentations into it with the Briegel Indenter and the joint is complete. No pliers or wrenches required. The Briegel Indenter makes two indentations at a time by simply pressing together the two handles of the Indenter. Saves labor on the installation and money on the purchase of fittings. All fittings cadmium finished.





No. BM-21 Connector.

No. BM-21

No. BM-41 Coupling

### "BM" Connectors

Size	Wt. per	Qty.	Std.	Per
ins.	100 lbs.	Cart.	Pkg.	100
½-in.	6	50	200	\$10.00
"BM	" Coupli	ngs		
½-in.	5	50	200	8.00

#### BRIEGEL INDENTERS

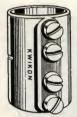


No. BM605—Indenter complete with Jaws for ½-inch Thinwall. Each ......\$2.25

### THINWALL CONDUIT FITTINGS

#### Kwikon





402 to 404

452 to 454

Cart Witner Per

Kwikon Thinwall Fittings require no special tools. The only tool needed is a screwdriver. Simply turn the screws down. Cadmium plated.

Approved by Underwriters Laboratories, Inc.

### Kwikon Connectors

				Cart.	W r ber	I CI
		Size	Std. Pkg.	Qty.	100, lbs.	100
No.	402	½-inch	250	50	10	\$10.00
No.	403	3/4-inch	125	25	16	15.00
No.	404	1 -inch	100	20	21	20.00
		Kwik	on Couplin	ngs		
No.	452	½-inch	250	50	12	10.00
No.	453	3/4-inch	125	25	18	15.00
No.	454	1 -inch	100	20	23	20.00



## WIRING DEVICES

### WEATHERPROOF OUTDOOR FITTINGS





Following fitting especially designed for R. E. A. and outdoor wiring. Cadmium finish. ½-inch pipe thread opening.

No. TE-1—Toggle Switch Housing. Will accommodate any regular flush type toggle switch. Each.....\$1.50

No. RE-1—Single Receptacle Housing. Will accommodate any regular single receptacle. Each ......\$1.65

Weight each, 2½ pounds.

One to a carton. 5 to standard package.

## FISH WIRE



Fish Wire made of the best flat tempered spring wire. The tempering prevents the tape from curling after constant use. The flat shape lends to its flexibility and makes it easy to fish.

No. 500—Fish Wire. Light weight, 1/8 inch wide by .030 gauge. Weight per 100 feet, 11/2 lbs. Per 100 ft. . . . . . \$2.40

No. 600—Fish Wire. Heavy weight. 1/8 inch wide by .060 gauge. Weight per 100 feet, 21/2 lbs. Per 100 ft....\$4.00

Above put up in 50, 100, 150 or 200 foot coils. Packed in carton.

#### LOOM



National, Non-Metallic Loom is of solid wall construction, built up of strong cotton, woven around hard encircling cords of stiff fibre making it a seamless, non-collapsible loom for use in concealed wiring, and knob and tube work. Manufactured with a flame and moisture-proof compound soaked into the cotton and coated over the exterior.

Size in.	Ft. in coil	Wt. per 1,000 ft.	Per 1,000 ft.
7-32 (2-8)	250	35	\$28.37
1-4 (5-16)	250	40	30.62
%	250	70	48.51
1/4	200	95	64.81

#### RIGID STEEL CONDUIT

#### Galvanized



	Wt. Per			Per 100
Size	1000 ft.	O.D.	I.D.	Feet
½-inch	852	.840	.622	\$15.60
3/4-inch	1134	1.050	.824	19.96
1 -inch	1684	1.315	1.049	28.76
11/4-inch	2281	1.660	1.380	38.90

Furnished only in 10 ft. lengths—We do not cut. Will quote larger sizes upon request.

#### FLEXIBLE STEEL CONDUIT



Size	Approx. ft. Per std. coll	Wt. per 1000 ft. lbs.	Per 100 ft. Less than coil
14-inch	100	520	\$10.00
%-inch	50	620	13.50
l -inch	50	480	27.60
14-inch	50	1480	34.00

## ELECTRICAL ACCESSORIES

### FLANGED TYPE ENTRANCE HEAD



A combination Entrance Cap and Flange especially recommended for Out Building Service Entrances in accordance with REA specifications. It is made of aluminum and can not rust. The insulator has four holes, two of which are plugged. The hub in the back is tapped for  $\frac{1}{2}$  inch conduit. To install simply drill a hole through the building using a  $1\frac{1}{16}$  inch bit. Hub is then placed through the hole and by using a connector it can also be used with Non-Metallic Sheathed Cable or Armored Cable.

No. 1750C—Flanged Type Entrance Head. Made of rust-proof aluminum. Complete with galvanized screws. Furnished with Duxseal Compound which is used to fill up the hole when the plate is screwed down thus preventing water from seeping into the building. Standard package, 24. Weight per 100, 82 pounds. Per 100......\$60.00

#### ENTRANCE CAPS

Approved by Underwriters.



		Tab	olite Super	lor Ga	lvanized	Finish.	
		Size	No. holes	Std.	Cart.	Wt.	Per
		ins.	in Insl'r	Pkg.	Qty.	per 100	100
No.	1525	1/2	4	50	10	76	\$ 50.00
No.	1526	3/4	4	50	5	108	65.00
No.	1527	1	4	10	5	164	80.00
No.	1528	11/4	5	5	1	220	200.00

## CAPPED ELBOWS

Approved by Underwriters



Taponite superior galvanized finished.

	Thread	Std.	Unit	Wt.	List
	Size	Pkg.	Cart.	Per 100	Per 100
No. 1480	1/2	50	10	50	\$ 60.00
No. 1481	*4	50	5	64	70.00
No. 1482	11/4	25	5	132	120.00
No. 1483	114	10	- 5	250	225.00

# ENTRANCE ELLS Underwriters approved



"Selecto-Seal" Entrance Ells are weatherproof without gaskets. Pulling surfaces are well bushed. Both interior and exterior surfaces are thoroughly Cadmium plated.

		Size	Std. Pkg.	Cart. Qty.	Wt. lbs. Per 100	Per 100
	2205	½-inch	50	5	63	\$ 40.00
	2207	3/4-inch	50	5	83	45.00
	2210	1 -inch	25	5	105	65.00
No.	2212	11/4-inch	10	5	152	115.00

# GROUNDING SERVICE ENTRANCE ELLS Underwriters Approved



These Grounding Service Entrance Elbows are the same in design as the No. 2200 series, except that they have a ½-inch tapped hole in the bottom so that the service wires and ground conduit may enter the building through the same fitting. Makes a very neat and compact installation and is used wherever the ground conduit runs on the outside of the building. Cadmium plated.

No.	Size		Unit	Wt.	Per 100
INO.	Size	PKg.	Cart.	Per 100	
5007	34x34x1/2 ground	25	. 5	98	\$ 84.00
5010	1x 1x½ ground	25	5	142	148.00

# KWIKON SERVICE ENTRANCE ELLS Underwriter's Approved



A smal 90 degree fitting designed for use on service entrances where it is essential that conduits hug wall surfaces cosely. Here's one that speeds up wiring, too, by its unique interior design which facilitates the pulling in of wires. Extra heavy coating of cadmium makes them rust proof.

		Size ins.	Std. Pkg.	Cart.	Wt. per 100, bs.	Per 100
No.	1551	1/2	50	5	36	\$40.00
	1552	3/4	50	5	54	45.00
No.	1553	1	30	3	85	85.00

## **ELECTRICAL ACCESSORIES**

## IDEAL WIRE NUTS

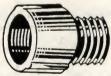


Ideal Connectors replace, at a big saving, solder and tape, plug connections, terminal blocks, binding posts, etc. They are intended for all roughing-in joints, fixture hanging, connections in appliances, fixtures, tools, signs, radios, etc.

Approved by Underwriter's. Recommended by National Electrical Code.

Making a joint with an Ideal Connector is just like screwing a nut on a bolt. The connector simply screws on giving a positive and permanent contact. Spiral metal insert (copper coated), which acts as a current carrying sleeve, presses threads into the wires and binds them together in a viselike grip—assuring a doubly secure joint.

## FIXTURE EXTENSIONS



For attaching to 36-inch fixture studs in order to lengthen the connection so that the fixture can be quickly mounted. Made of malleable iron; cadmium plated.

Numbers	2010	2013
Pipe Thread Size—		
Male, inches	3/8	3/8
Female, inches	3/8	3/8
Length, inches	1	13/8
Carton quantity,	50	50
Weight per 100, pounds	51	61
Per 100	\$5.50	\$6.00

## BOLTLESS FIXTURE STUDS



The Boltless Fixture Stud is the most popular fixture supporting device ever developed. No bolts are required. Just slip the Stud through the center knockout from the back of the outlet box and run up the locknut from the inside of the box. The support has all the strength of the outlet box and wiring system instead of two small bolts. Vibration cannot work it loose. Made of malleable iron, thoroughly cadmium plated.

# GEM HICKEY TYPE FIXTURE STUD (Hollow)



#### FIXTURE STRAP



## ADJUSTABLE CROSS BAR



Cross Bar with sliding adjustment to fit electric fixture canopies up to 7-inches wide.

# STRAIGHT CONDUIT INSULET Three Hole Insulator



A small and compact fitting designed for motor installations and all combination work from conduit to open wiring.

No. 1610—Pipe Thread Size ½-inch. Standard package, 100; Unit carton 25. Weight, per 100 15 lbs. Per 100.......\$10.00

#### PORCELAIN BUSHINGS



## CONDUIT FITTINGS

#### CONDUIT COUPLINGS

Black Enameled and	d Galvani	zed.
Size, inches Wt., per 100 lbs Per 100	11½ \$13.00	20 ½ \$18.60
Size, inches Wt., per 100 lbs		1¼ 59 \$34.00
Size, inches Wt., per 100 lbs Per 100 Other sizes upon		



### CONDUIT ELBOWS

ouct	Black	Enameled	and C	Salvanized.
Size, inches	1/4	%	1	11/4
Wt., per 100 lbs	82	109	201	313
Per 100	\$23.00	\$30.00	\$44.00	\$60.00
Size, inches			11/2	2
Wt., per 10 lbs			441	707
Per 100			\$80.00	\$144.00

#### CONDUIT LOCK NUTS

	Steel;	cadmiun	n plated.	Approve	(
by	Unde	er writers	Laborato	ries.	
Jos.	141	142	143	144	
ize, inches	1/2	3/4	1	11/4	
Vt., per 1,000 lbs	15	25	40	70	
Carton	100	100	50	50	
100	e1 20	£1.70	49 64	¢4 40	

## CONDUIT BUSHINGS

Malleable, cadmium plated. Approved by Underwriters Laboratories.



Nos.	122	123	124	125
Size, inches	1/2	3/4	1	11/4
Weight per 1,000, lbs	25	40	90	110
In carton	100	100	50	50
Par 100	\$1.80	\$2.96	45.10	\$8.50

### PIPE STRAPS



Galvanized pipe straps for use with pipe, conduit and armored cable—In Bulk.

1/2 Size, ins. **†3/8** 3/4 11/4 11/2 Wt., per 100, lbs. Per lb. 11/2 31/2 31/2 81/4 11/2 \$0.24 \$0.24 \$0.24 \$0.24 \$0.24 \$0.24 \$0.24 \*Can be used with 14-2, 14-3 and 12-2 Armored ABC Cable.

†Can be used with 12-3 and 10-2 Armored ABC Cable.

#### ONE HOLE PIPE STRAPS

#### Underwriters Approved



## SOLDERLESS CONNECTORS Kearney



Kearney Solderless Connector produced from high strength bronze alloy. Furnished with nut retainers to eliminate loss of time resulting from fumbling and dropping of loose nut.

### With Nut Retainers

	Wire. Packed 100 to a carton.
Weight per 100, 7 pounds.	Per 100\$30.00
No. TS6R-For No. 6 Solid	Wire. Packed 100 to a carton.
Weight per 100, 5½ pounds	. Per 100\$26.00

#### Without Nut Retainers

No. TL8-For No. 8 Solid	Wire. Packed 100 to a carton.
	Per 100\$22.00

## WIRING DEVICES

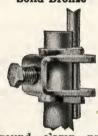
#### LIGHT COPPER GROUND CLAMPS



The bolt head and washer rest on a deep countersink, placed at just the right angle, this prevents the bolt head from tearing through the soft copper. Wire, can be tightly clamped in roll portion before soldering. Can be used without solder by wrapping wire around bolt under the washer.

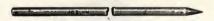
Numbers	E109	E110
Pipe size, inches	% to 1	% to 2
Weight per 100, pounds	51/2	71/2
Carton Quantity	100	100
Per 100	\$8.00	\$12.00

## RELIABLE GROUND CLAMPS Solid Bronze



Packed Bulk.

#### COPPERBOND GROUND RODS



Solid Copperbond Ground Rods produced with solid copper casing over alloy steel core.

Numbers	8328	8338
Size	½x8	5/8x8
Standard package	10	10
Weight per 100, pounds	560	870
Each	\$2.00	\$3.25

### SOLID GALV. GROUND RODS

Nos.	1109
Size	%x8
Standard package	10
Weight, per 100, pounds	800
tach	\$1.75

#### GROUND FITTINGS Underwriters Approved





No. R45

## GROUND FITTING



No. 3842—Cadmium plated ground fitting. One screw type save wireman time in installing. For sizes ½-inch and up ground rods or ½, ¾ and 1-inch pipe. Takes No. 4, 6 or 8 bare ground wire. Underwriters approved. Standard package 25, carton 5. Weight per 100, 48 pounds. Per 100 ......\$35.00

### ARMORED GROUND WIRE



National Bare Armored Ground Wire consists of a single solid tinned uninsulated copper conductor covered with a flexible interlocking steel armor.

interlocking steel armor.		
Size	8-1	6-1
Type of Conductor	Solid	Solid
Approx. outside Diam., Ins	.225	.260
Feet per Coil	250	250
Approx. weight, lbs. per 1,000 feet	136	168
Per 1000 feet	\$75.00	\$100.00

# BARE COPPER GROUND WIRE National

No. 8—Bare Solid Copper Ground Wire. Weight per 1000 feet, 50 pounds. Per 1000 feet ........\$24.00 No. 6—Bare Solid Copper Ground Wire. Weight per 1000 feet, 82 pounds. Per 1000 feet ...........\$36.00 Put up in 500 foot cois.

## KILLARK CONDUIT FITTINGS

Underwriters Approved

1			1-	RIGID CONDUIT   ELECTR				ADLESS FOR ICAL METAL- ING (Thin Wall)	
Туре	Identification	Size	Std. Pkg.	Wt. Per 100 in lbs.	Cat. No.	List Price Per 100	Cat. No.	List Price Per 100	
	# SELANT	1/2" 3/4" 1"	50 25 25	71 114 156	LB1 LB2 LB3	\$40.00 45.00 65.00	YLB1 YLB2 YLB3	\$50.00 60.00 90.00	
LB	Threaded Type	1 ½" 1 ½" 2"	5 5 5	235 300 520	LB4 LB5 LB6	105.00 140.00 240.00	YLB4 YLB5 YLB6	150.00 210.00 350.00	
	Threadless Type								
	9	1/2" 3/4"	50 25	71 114	LRL1 LRL2	40.00 45.00	YLRL1 YLRL2	50.00 60.00	
LRL	Threaded Type	1" 114" 112"	25 5 5	156 235 300	LRL3 LRL4 LRL5	65.00 105.00 140.00	YLRL3 YLRL4 YLRL5	90.00 150.00 210.00	
See Note Below.		2"	5	520	LRL6	240.00	YLRL6	350 00	
	Threadless Type	Two opposite side				er which can be ting as desired		either side to	
	E MILLION	1/2" 3/4" 1"	50 25 25	71 114 156	C1 C2 C3	40.00 45.00 65.00	YC1 YC2 YC3	50.00 60.00 90.00	
C	Threaded Type	1 ½" 1 ½" 2"	5 5 5	235 300 520	C4 C5 C6	105.00 140.00 240.00	YC4 YC5 YC6	150.00 210.00 350.00	
	Threadless Type						1		
	MILLAFIR	1/2" 3/4" 1"	50 25 25	64 103 140	E1 E2 E3	30.00 35.00 50.00	YE1 YE2 YE3	35.00 45.00 60.00	
E	Threaded Type	1 ½" 1½" 2"	5 5 5	270 370 468	E4 E5 E6	80.00 104.00 214.00	YE4 YE5 YE6	110.00 150.00 275.00	
	winds.								
	Threadless Type								

Covers listed on following pages. Made of Malleable Iron Cadmium Plated.

## KILLARK CONDUIT FITTINGS

					RIG	ID C	ED FO ONDU Wall)		THREADLE ELECTRICAL LIC TUBING	L METAL-
Type	Identification	Size	Std. Pkg.	Wt. Per 100 in lbs	. Cat.		List I Per		Cat. No.	List Price Per 100
-		1/2" 3/4"	50 25	78 125	T1 T2		\$48 57	00 00	YT1 YT2	\$65.00 80.00
T Std.	Threaded Type	1" 114" 1152" 2"	25 5 5 5 5	172 330 430 572	T3 T4 T5 T6		80 122 169 255	00	YT3 YT4 YT5 YT6	110.00 190.00 270.00 430.00
	Threadless Type		50		D1		20	00	VD	25.00
	EIEFARA ,	1/2" 3/4" 1"	50 25 25	64 103 140	B1 B2 B3		30 35 50	.00	YB1 YB2 YB3	35.00 45.00 60.00
В	Threaded Type	11/4" 11/2" 2"	5 5 5	270 370 468	B4 B5 B6		80 104 214	00	YB4 YB5 YB6	110.00 150.00 275.00
	Threadless Type									
		1/2" 3/4"	50 25	85 137	X1 X2		60 77	00	YX1 YX2	80.00 110.00
X Std.	Threaded Type	1" 114" 112" 2"	25 5 5 5	187 360 460 624	X3 X4 X5 X6		105 140 178 350	00	YX3 YX4 YX5 YX6	150.00 230.00 310.00 550.00
	Threadless Type									
		Description			Cat. No.	S	ize	Std Pkg		List Price per 100
		BLANK STEEL	COVE	ERS	L10 L20		1/2" 3/4"	100 100	12 15	\$ 8.00 11.00
	KILLARK	The screws on all T&B Tubelet Covers are fastened in. They cannot fall out.			L30 L450 L450 L60	1,1 1,1 2,1	1/4"	50 50 50 25	$\frac{32}{32}$	23.00 32.00 32.00 56.00
		Polarized black porcelain receptacle, double T slots. Rating: 10 amp. 250 Volt or 15 amp. 125 Volt.			APR1 APR2 APR3		1/2" 3/4"	100 100 50	50	40.00 45.00 70.00
	K	Edison base receptacl lain, with shade holder 660 Watt, 250 Volt.			PR1 PR2 PR3	1	1/2" 3/4"	100 100 50	80	45.00 50.00 70.00
	ALLARK N	Switch cover, rating volts. Single Pole.	: 10 ai	mp. 125	SS1 SS2 SS3	1	1/2" 3/4"	50 50 25	23	70.00 73.00 84.00

## **ELECTRIC WIRING SUPPLIES**

### KILLARK CONDUIT FITTING COVERS





tion of holes can be obtained.

All five holes on composi- Porcelain covers can be tion covers, have knock- furnished with any numouts so that any combinaber of holes from 1 to 6— Please specify.

27.	Size	No. of	Diam. of	Std.	Wght.	List p	er 100
No.	Size	Holes	Holes	Pkg.	per 100	Comp.	Porcel.
L15	1/2	1 to 5	5/16 to 13/32	50	26	20.00	10.00
L25	3/4	1 to 5	5/16 to 7/16	50	32	30.00	15.00
L35	1	1 to 5	½ to 19/32	25	52	50.00	25.00
L455	$\frac{1\frac{1}{4}}{1\frac{1}{2}}$	1 to 5	<sup>19</sup> / <sub>32</sub> to <sup>13</sup> / <sub>16</sub>	25	96	100.00	36.00
L61 L62 L63	2	1 2 3	1 3/8 1	10	120	120.00	60.00

## WIREMOLD FITTINGS





No. 500-Wiremold Conduit System for surface wiring is designed for extension work requiring circuits of two and short runs of three wires. In 10 ft. lengths only, outside dimensions, ¾ inches wide, ¼ inch deep. Will take two No. 10 two No. 12 or three No. 14 Single Conductor wires.

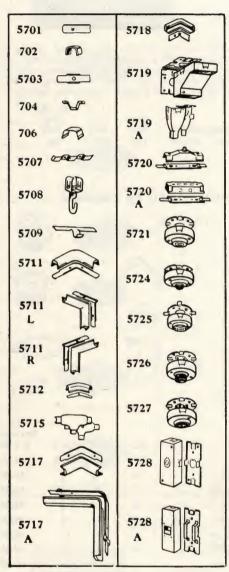
			1	Wt. Std.	
		Unit	Std.	Pkg.	
	Description	Pkg.	Pkg.	Lbs.	
No. 500	Wiremold Conduit	100	(ft.)	33	

## FITTINGS FOR NO. 500 WIREMOLD

502		516	
504		4	526
506	B	517	527
511		518	
512		519	588
515			599

					Per 100
No. 502	Bushing	50	200	1/2	\$ 1.80
No. 506	Connection Cover	50	200	1%	1.20
No. 511	90° Flat Elbow Legs 2 in	5	5	4	14.80
No. 512	45° Flat Elbow Legs 1% in	5	20	11/2	16.80
No. 515	Plain Tee 3% x2x% in	5	- 50	- 8	21.70
No. 516	Plain Cross 3%x2%x% in	5	20	4	27.20
No. 517	Internal Elbow Legs, 3 % in	5	50	11	16.00
No. 518	External Elbow Legs 2% in	5	50	11	16.00
No. 519	Corner Box 3½x1½x1 tin	5	20	4	40.30
No. 526	Keyless Receptacle 2½x1¾ in	5	50	19	60.00
No. 527	Attachment Plug 2½x1¼ in	5	50	17	81.40
No. 588	Open Work Coupling 2%x1½x% in	5	20	3	. 31.50
N. 599	Connector	4	20	1 .	3.70

## WIREMOLD







No. 700—Wiremold Conduit System for surface wiring is designed for use in large installations such as factories, railroad buildings, lofts, warehouses, department stores, office buildings, hospitals, school buildings and the like. Is also ideal for signal and call systems. In 10 ft. lengths only; outide dimensions ¾ inches wide, if inch deep. Will take two No. 10, four No. 12 or four No. 14 single conductor wires.

#### WIREMOLD CONDUIT

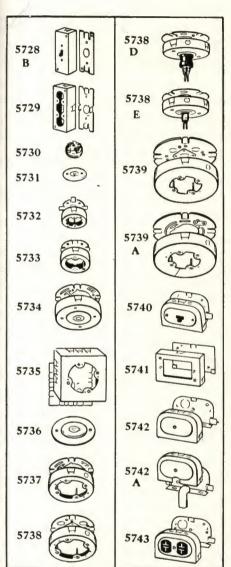
•	W00	Description	Unit Pkg.	Std. Pkg.	Pkg. Lbs.	
No.	700	Wiremold	100		36	

#### FITTINGS

Fittings listed below having catalog number beginning with 57 are for use with No. 500 and No. 700 Wiremold—No. 700 Series fittings are for No. 700 Wiremold only.

NT.	PR01	Garantina				Per 100
	5701	Coupling	50	200	334	\$1.70
	702	Bushing	50	200	3/4	2.00
	5703	Clip	50	500	123/4	2.00
No.		One or Two Hole Strap	50	500	16	2.00
No.		Connection Cover	. 50	200	2	1.30
	5707	Multiple Strap	10	50	61/2	5.00
	5708	Fixture Hook	10	20	11/2	18.80
	5709	Ground Clamp	5	20	3/4	8.80
	5711	90° Flat Elbow Legs 2% in	10	100	17%	19.40
No.	5711L	Internal Twisted Elbow (For 90°			- / -	
		Twist with 90° turn) 2% in	5	20	33/4	30.00
No.	5711R	Internal Twisted Elbow (For 90°			- /-	
		Twist with 90° turn) 2% in	5 5	20	3%	30.00
No.	5712	45° Flat Elbow Legs 1½ in	5	20	1 %	22.50
No.	5715	Tee, 3% x2x1 inch	5	50	93/4	27.50
No.	5717	Internal Elbow 2% in. long	10	100	16	22.00
No.	5717-A	Elbow Pull Elbow, 6 in 1		10	41/4	50.00
No.	5718	External Elbow Legs 1% in	10	100	11	22.00
No.	5719	Corner Box 21/2 x2 1/2 in	5	20	81/8	45.90
No.	5719A	Streamline Corner Box 3%x1%x1%	5	20	5 1/2	40.00
No.	5720	Narrow Fitting 3%x%x1 in	5 5	50	101/4	47.90
No.	5720-A	Narrow Fitting	5	20	4%	55.00
No.	5721	Utility Box	5	`50	161/4	35.00
No.	5724	Rosette 3x1¼ inch	5	20	71/4	49.00
	5725	Receptacle Base 660W, 250V	5	50	21	80.00
	5726	Keyless Receptacle 660W, 250V	5	50	22	60.00
	5727	Plug Receptacle 15A, 125V; 10A, 250V	5	50	191/2	
	5728	Utility Box 4¼x15%x1 in.	10	50	171/2	40.00
	5728A	Lumline Lampholder Box 4½ x15 x1"	1	10	3 3/4	53.50
-100		The state of the s	-	10	3 74	00.00

## WIREMOLD FITTINGS



Fittings listed below having catalogue numbers beginning with 57 are for use with No. 500 and No. 700 Wiremold.

#### FITTINGS

	Description	Unit Pkg.	Std. Pkg.	Wt. Std Pkg. Lbs.	•
No. 5728B	Single Pole Switch with box 10A, 125V				Per 100
NO. 3126B	5A, 250V, 4¼x1%x1 in	1	10	4%	\$95.80
No. 5729	Utility Box, Condulet Type, 41/2 x1 1/2 x1"	10	20	6%	47.50
No. 5730	Connector Block for use with 521, 523, 524, 5721, 5724, 5732 and 5733 (660W, 250V	5	20	11/8	20.00
No. 5730A	Connector Block 660W. 250V. For use with 5720, 5720A, 5720B, 5728	10	50	1%	40.00
No. 5731	Blank Cover for No. 532, 533, 5732-5733	5	50	3%	11.70
No. 5732	2½-inch Outlet Box, 2½x1 in	5	50	13%	40.00
No. 5733	3-inch Outlet Box, 3x1 inch	5	50	141/4	41.20
No. 5734	Blank Extension Box 4% x1% in	5	20	131/2	65.00
No. 5735	Distribution Box 4%x4%x1% ins	1	20	17%	88.80
No. 5736	Blank Cover for No. 5737-38-39	5	50	141/4	16.30
No. 5737	4% inch Extension Box 4%x1-in	5	50	28	65.00
No. 5737A	5½ in. Extension Box 5½x1 in	5	50	291/2	68.00
No. 5738	4% inch Fixture Box 4%x1 in	5	50	31	59.00
No. 5738A	5½ inch Fixture Box 5½x1 in	5	50	34	62.00
No. 5739	6% inch Fixture Box 6%x1 in	5	20	22	72.80
No. 5739-A	6% Extension Box 6%x1 in	5	20	21	84.00
No. 5740	Single Pole Switch with Box 10A, 125V, 5A, 250V, 4 1 x 2 ½ x 1 ½ in	1	20	10%	102.50
No. 5741	Switch and Recept. Box 4%x2%x1%"	1	20	11%	71.20
No. 5742	Junction Box 416x21/2x11/2 in	5	20	8	56.70
No. 5742A	Adj. Junction Box	5	20	9	78.70
No. 5743	Duplex Receptacle and Box 15A, 125V, 10A, 250V, 4 2x2 1/2x1 1/2 in	5	20	11	88.80

## WIREMOLD FITTINGS

## FITTINGS

Fittings listed below having catalogue numbers beginning with 57 are for use with

No. 500 and	l No. 700 Wiremold.				
	Description	Unit Pkg.	Std. Pkg.	Wt. Sto Pkg. Lbs.	
No. 5744	Switch and Rec. Box	.1	20	191/2	Per 100 \$97.50
No. 5744-2	2 Gang Switch and Rec. Box	1	10	121/2	165.00
No. 5744-3	3 Gang Switch and Rec. Box	1	10	16	195.00
No. 5745	Combination Box	1	20	131/2	70.80
No. 5747	Shal. Switch and Re. Box Single	1	20	12	67.50
No. 5747-2	Shal. Switch and Re. Box 2 gang	1	10	81/2	127.50
No. 5747-3	Shal. Switch and Re. Box 3 gang	1	10	11	152.50
No. 5748	Surface Type Switch Box Single 4%x2%x1% inches	1	20	131/2	71.70
No. 5748-2	Surface Type Switch Box 2 gang. 4%x4%x1% inches	1	10	10	132.50
No. 5748-3	Surface Type Switch Box 3 gang. 6½x4¾x1¾ inches	1	10	12½	165.00
No. 5748-S	Shal. Surface Type Receptacle Box 4%x2%x11 inches	1	20	10	62.90
No. 5749	Flush Switch and Receptacle Box	1	20	13	105.10
No. 5751	Adapter Plate and Cover, Single	1	20	81/2	67.50
No. 5752	Adapter Plate & Cover, 2 Gang	1	10	6	143.80
No. 5753	Adapter Plate & Cover, 3 Gang	1	10	71/2	172.50
No. 5760	Blank Extension Box, 4%x2%x18 in.	1	20	91/2	66.60
No. 5780	Special Nipple	5	50	21/4	14.00
No. 5781	1/2 inch Box Connector (Male)	5	50	3	22.00
No. 5781-A	% inch Box Connector (Male)	5	20	21/4	32.50
No. 5782	1/2 inch Pipe Coupling (Female)	5	50	41/2	26.40
No. 5782-A	/s ()	5	20	3	35.00
No. 5783	1/2 inch Elbow Box Connector (Male)	5	20	21/2	36.30
No. 5784	½ in. Elbow Pipe Coupling (Female)	5	20	31/2	36.30
No. 5785	Combination Connector	5	50	71/2	23.10
No. 5786	Adjustable Offset Connector	5	20	51/2	52.50
No. 5787 No. 5788	Kick Plate 3x1 % x1 % in	1 5	10 20	3¾ 5	32.50 35.40
No. 5790	Armored Cable Connector	5	50	2	10.00
		-		_	20.50

## **OUTLET BOXES**

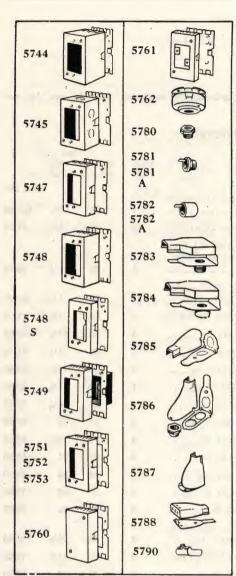
3/4-INCH DEEP GALVANIZED CABLE BOXES
These Cable Boxes are provided with Type "UX" Clamps that are suitable for use with Loomwire, Armored Cable, Flexible Conduit and Tubing.

Cat. No.	Key No.	Size In.	Shape	Depth In.	"PRI-0	OUTS" Bottom	Additional Holes	Clamps		Wt. Lbs. Per Case (100)	PRICE PER 100 Galv. Only
D012N	5-5A	31/2	Round	3/4"	None	4 for Cable 1-1/2"	2-1/4" for fixture stud. Nail holes	"UX"	None	43	\$18.00
D012	5-6A	3½	Round	3/4"	None	4 for Cable	Nail holes	"UX"	3/8"	46	\$20.00

### 34-INCH DEEP GALVANIZED LOOM WIRE BOX

This box provided with type U. N. clamps designed to bush Loomwire away from sharp edges of knock-out thus preventing cutting of cable sheath.

DO-10N 3½ Round 34"	None Cable fixture stud. 1-1/2" Nail holes	"UN" None 43	\$18.50
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No. D0-10-N

### **OUTLET BOXES AND CABLE BOXES**

### 31/4-INCH OCTAGON OUTLET BOXES

Standard Finishes are Black Baked Enamel and Galvanized. Black boxes will be shipped unless Galvanized specified on order.



No. 2415114

Cat.	Univ. Key Size	Siza		D	KNOC	KOUTS	Additional Holes				PRICE	PER 100
No.	No.	In.	Shape	Depth In.	Side	Bottom		Clamps		Per Case (100)	Black	Galv.
24151½	24151	31/4	Oct.	1½	4-1/2"	1-1/2"	4-1/4" for fixture stud. Nail holes (Untapped)		None	46	\$10.00	\$11.00

## 4-INCH OCTAGON OUTLET BOXES

ASE O	

No. 541511/2

Cat. No.	Univ. Key No.	Size In.	Shape	Depth In.	KNOC	KOUTS Bottom	Additional Holes	Clamps	Plate or	Wt. Lbs. Per Case (50)	Galv.
541511/2		4	Oct.		4-1/2"		4-1/4" for fixture stud. Nail holes				\$16.00
54151SP	54151 SP1	4	Oct.	1½	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	3-1/2"	(Untapped)	None	None	33	\$12.90

#### 4-INCH SQUARE QUILET BOXES



No. 5215114

			- 4	-INCI	1 500.	AILL C	OILEI BO	JAES				
Cat.	Univ. Key	Size		Denth	KNOC	KOUTS	Additional			Wt. Lbs. Per Case		PER 100
No.	No.	In.	Shape	Depth In.	Side	Bottom		Clamps		(50)	Black	Galv.
52151½	52151	4	Square	1½	10-1/2"	5-1/2"	4-1/4" for fixture stud. Nail holes (Untapped)		None	42		\$20.00

1½-INCH DEEP CABLE BOXES
For use with Loomwire, Armored Cable, Flexible conduit and tubing.



No. D022N

Cat.	Key	Size		Dest	"PRI-	OUTS"	Additional			Wt. Lbs. Per Case	PRICE	PER 100
No.	No.	In.	Shape	Depth In.	Side	Bottom		Clamps		(50)	Black	Galv.
DO22.N	5-26	3½	Oct.	1½	4 for Cable 2-1/2"		4-1/4" for fixture stud. Nail holes (Untapped)		None	31		\$18.00
D015N	5-36	4	Oct.	1½	4 for Cable 2-1/2"	4 for cable 1-1/2"	4-1/4" for fixture stud. Nail holes (Untapped)		None	35		\$24.00

# 11/2-INCH DEEP CABLE BOXES For Loomwire



No. DO21N

DO21N	31/2	Oct.	1½	4 fore Cables 2-1/2"	4-14" for fixture stud. Nail holes (Untapped)	None	31	\$18.75
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Equipped with type N.M. Clamps for use with Loomwire and other-non-metallic Sheathed Cables. Type N. M. Clamps held clear of Knock-outs until used.



**DO21N3** 

Cat. No.	Size In.	Shape	Depth	KNOC	KOUTS	Additional Holes	Clamps	Wt. Lbs. Per Case	Per 100
				Side	Bottom	240100	Classipo	50	Galv.
DO21N3	31/2	Oct.	1½	4 for cable 2—½"	4 for cable 1—½"	4—1/4" for fixture studs. Nail holes (Untapped)	NM	28	\$20.00

## **OUTLET BOX COVERS**

Finish: Black enamel and galvanized are the standard finishes. Specify finish when ordering, otherwise black enameled will be supplied.

COVERS FOR 31/4-INCH OCTAGON AND ROUND BOXES

This size can also be used with 3-inch or 31/2-inch Octagon or Round Boxes.

	Catalog No.	Raised or Flat	Description	Std. Pkg.	  Wt.lbs.   Per 100	Per 100
	622	Raised %"	For Sign receptacle with lug or porcelain. Opening 1½" with Notch	100	20	\$ 5.00
0	610	Flat	Blank Cover	100	21	5.00
(AACO)	602	Raised %"	Blank Cover	100	22	5.00
0	612	Flat	Blank Cover with ½-inch Knockout	100	21	5.00
	618	Raised %"	Special for reinforced cord	100	24	5.00
<b>(13)</b>	624	Flat	For all surface mounted devices, with screw c't'rs of $\%$ to $1\%$ "	100	17	6.00
<b>3</b>	810	Flat	COVERS FOR 4-INCH OCTAGON OR ROUND BOXES Blank Cover	100	24	6.00
			Bialia Cover	100	34	6.00
AACO .	802	Raised %"	Blank Cover	100	37	6.00
0	812	Flat	Blank Cover with ½-inch Knockout	100	34	6.00
	818	Raised %"	Special Opening for Reinforced Cord	100	38	6.50
EX3	824	Flat	For all surface mounted devices, with screw centers of %" to 1%"	100	25	6.50
	822	Raised %"	For sign receptacles with lug on porcelain. Opening 1½" with notch	100	31	6.50
P RACO			COVERS FOR 4-INCH SQUARE BOXES			
	52C1	Flat	Closed Center	100	46	8.50
BACO	52C12	Raised %"	Special opening fro reinforced cord	100	48	14.00
	52C14	Raised ¾"	Tapped ¼ on 3½" centers, for single flush devices	100	39	19.00
BACO	52C13	Raised 1/2"	Tapped & on 3%" centers, for single flush devices	100	36	17.00
	52C18	Raised ¾"	For two flush devices. Tapped & on 3%" centers. Distance between center lines 11%". With Hi-Lo Feature	100	34	22.00
PASS	52C17	Raised ½"	For two flush devices. Tapped % on %" centers. Distance between center lines 118". With Hi-Lo Feature	100	30	20.00
(-e)s. ]	52C28	Flat	For all surface mounted devices, with screw centers of %" to 1%"	100	38	16.00

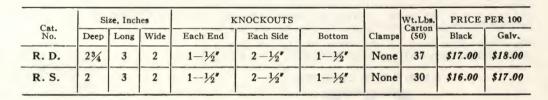
## SECTIONAL SWITCH BOXES

#### GANGABLE

A-S-E Sectional Switch Boxes are of the Universal Interchangeable Type and can be converted into any number of ganga. All are equipped with reversible mounting ears that provide ample adjustment. Fixture stud holes and %" conduit knockout supplied in center of bottom, to allow for use as bracket outlet where desired.



No. RD



## FOR ABC ARMORED OR LOOMWIRE CABLE

The type XL Clamps can also be used with Flexible Conduit and Tubing.



Cat.	Si	ze, Inch	ies		KNOCKOUTS			Wt.Lbs.	PRICE	PER 100
No.	Deep	Long	Wide	Each End	Each Side	Bottom	Clamps	Carton (50)	Black	Galv.
М. С.	21/2	3	2	2" Cable "Pri-Outs"	2" Cable "Pri-Outs"	1—½" "Pri-Out"	"XL"		\$19.00	\$20.00

## FOR LOOMWIRE



No. BLN

0.	Si	ze, Inch	ies	1	KNOCKOUTS			Wt.Lbs.	PRICE	PER 100
Cat. No.	Deep	Long	Wide	Each End	Each Side	Bottom	Clamps	Carton (50)	Black	Galv.
*BLN	21/4	3	2	2 Loom "Pri-Outs"	2 Loom "Pri-Outs"	1-½" "Pri-Out"	BN	33	\$17.00	\$18.00
B.L.	21/4	3	2	2 Loom "Pri-Outs"	2 Loom "Pri-Outs"	1—½" "Pri-Out"	None	32	\$16.00	\$16.50

\*This number replaces former number 225LC which has been dropped because of the type of clamp used with it has been outlawed by R. E. A. authorities.



No. MC3

Cat.		SIZE IN.		K	NOCKOUT	rs	Clamps	Wt. Lbs. Per Case	Per 100
No.	Deep	Long	Wide	Each End	Each Side	Bottom	Clamps	50	Galv.
мсз	2½	3	2		2 cable Pri-outs		NM	39	\$20.00

Above number equipped with type N. M. Clamps for use with Loomwire and other nonmetallic Sheather Cables. Type N. M. Clamps held clear of Knock-outs until used.

## **ELECTRIC WIRING DEVICES**

#### HANDY BOXES



No. 400½—Box 4 inches long, 2½ inches wide, 2½ inches deep. Three ½ inch knock-outs in each side, one in each end and two in the bottom. Galvanized finish. Standard package 50. Weight 64 pounds per 100. Per carton..\$18.10

No. 404½—Box same as No. 400½, except 1% inches deep. Weight 59 pounds per 100. Per 100.......\$18.10

#### HANDY BOX COVERS



No. 425—Cover for duplex convenience outlet. Standard package 100. Weight 13 pounds per 100. Per 100..\$12.20



No. 427—Cover for tumbler switch. Standard package 100. Weight, per 100, 15 lbs. Per 100.......\$12.20

# (For Loomwire)





\*This new box equipped with new type clamp being demanded by different R. E. A. projects.

#### BAR HANGERS



A popular hanger for old work. Used for mounting shallow boxes or plates in buildings already plastered. Make a small hole about 1½-inches diameter; push bar all the way through into hole,—long end first as shown in cut; hold the stud in one hand pull wire with the other until bar is centered across hole. Will fit any box having ½-inch knockout.



For shallow boxes in new work, or for holding boxes to concrete forms. With ½ inch deep boxes where bar is nailed to joists or studding, edge of box will be flush with ordinary plaster. Will fit any box having ½-inch knockout.



For 1½-inch deep boxes without switch covers or plaster rings; offset brings box edge flush with plaster. Will fit any box having ½-inch knockout. Offset 1½ inches deep.

Ne. H.S.—Stud size % inch. Length 191/2 inches. Standard package 50. Weight per 100, 60 pounds. Per 100 .......\$20.00

## **BRACKET SWITCH BOXES**

## SECTIONAL GANGABLE—WITH LATH SUPPORT

A-S-E Bracket Switch Boxes are the ideal New-Work Boxes. The Improved Mounting Bracket is extra wide, and is both diveted and spot-welded to the box. Gauging points are provided, to facilitate squaring the box with the studding. Formations in the Bracket key the plaster securely and permanently. Nail holes are offset, to prevent splitting the studding.

All Bracket Boxes equipped with Lath Support. Beaded edges on Lath Support provide added strength and retain its shape juring shipment and installation.



## No. RDB

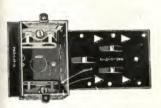
## FOR RIGID METALLIC CONDUIT

(Or Cables and Connectors)

Cat.	Size, Inches		nes		KNOCKOUTS			Wt.Lbs.	PRICE	PER 10
No.	Deep	Long	Wide	Each End	Each Side	Bottom	Clamps	Carton (25)	Black	Galv.
RDB	23/4	3	2	1-1/2"	2-1/2"	1-1/2"	None	52		\$24.00
RSB	2	3	2	1-1/2"	2-1/2"	1-1/2"	None	40		\$23.50

## FOR ARMORED CABLE OR LOOMWIRE

### With "Pri-Outs"

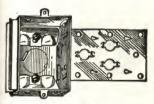


No. MCB

0.1	Size, Inches				KNOCKOUTS			PRICE	PER 100	
Cat. No.	Deep	Long	Wide	Each End	Each Side	Bottom	Clamps	Carton (25)	Black	Galv.
МСВ	2½	3	2	2 Cable "Pri-Outs"	2 Cable "Pri-Outs"	1—½" "Pri-Out"	"XL"	48	\$23.50	\$24.00

NOTE: No. 255-XL Sectional Switch Boxes are provided with Type "XL" Clamps that are suitable for use with Armored Cable, Flexible Metallic Conduit, Non-Metallic Cable and Flexible Tubing.

## FOR LOOMWIRE



No. BLNB

0	Size, Inches				KNOCKOUTS			Wt.Lbs. Carton	PRICE	PER 100
Cat. No.	Deep	Long	Wide	Each End	Each Side	Bottom	Clamps		Black	Galv.
*BLNB	21/4	3	2	2 Loom "Pri-Outs"	2 Loom "Pri-Outs"	1—½" "Pri-Out"	BN	41		\$23.50

<sup>\*</sup>Equipped with non-cutting type of clamp approved by R. E. A.

## **BOXES AND COVERS**

## Black Bakelite

#### **OUTLET BOXES**

Designed for use with Loomwire non-metallic sheathed and CNX Type cable wiring.

They resist corrosion from Ammonia fumes in cattle barns, acid fumes in Chemical or Industrial Plants; also any place where salt or moist air is present.

The Bakelite Outlet Boxes have knockouts and clamps to take 14-2, 14-3, and 12-2 non-metallic sheathed cable, and 14-2, 14-3, 12-2 and 12-3 CNX Type Cable.

The sizes and design, except for clamps and wire knockout, are same as standard metal outlet boxes. They take standard types of fixture studs. No. 3050 has four side and one bottom knockouts. No. 4050 has four side and five bottom knockouts.



No. 3050—3¼ inch Outlet Boxes. 1½ inches deep. Equipped with two adjustable straps. Standard package 100. Weight per 100, 22 pounds. Per 100 .....\$22.00

## **BLANK OR PENDANT COVERS**



## SURFACE MOUNTING COVERS



#### SWITCH BOXES



No. 7050—2-inch Deep Switch box with Loomwire Clamps. Four loomwire knockouts on sides and ½ knockout on bottom. Standard package 50. Wt. per 100, 20 lbs. Per 100....\$25.00

#### 2444444444444444444444444



#### HANDY SURFACE BOX



No. 5050—Handy Surface Type Switch and Receptacle Box with Loomwire Clamps. Eight loomwire knockouts on sides and ½-inch knockout on bottom. Standard package, 50. Wt. per 100, 28 lbs. Per 100 ......\$28.00

#### HANDY SURFACE BOX COVERS

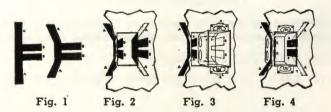




No. 5053—Black Bakelite Duplex Receptacle Covers. 100 to standard package. 10 to a carton. Weight per 100, 6 lbs. Per 100.......\$10.00

## HOLDIT SWITCH BOX SUPPORT

Underwriters Approved



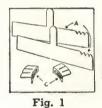
Holdit box supports solve the problem of mounting switch and outlet boxes to plaster board, sheet rock, metal ath, etc.

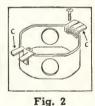
TO INSTALL:—Cut opening in wall just large enough to admit switch box. Bend the two legs "A" as shown in Figure 1, insert in opening as illustrated in Figure 2 one Holdit on each side then bend ears "B" away from opening and back to wall. This holds the support temporarily until box is inserted. Now push box into opening (see figure 3). Press ears of box firmly against the wall and bend ears "B" over edge inside box as shown in Figure 4. Box is now rigidly anchored in place and cannot work loose.

#### Dep't-E

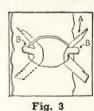
Less than	100 sets	AZS
100 to 500	sets	ΛZS
500 sets or	more	VΤΔ

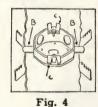
#### HOLDIT OUTLET BOX SUPPORT





inside of box locking assembly, providing a very rigid and substantial support.







No. 1. The No. 103 consists of two supports (A) and two lugs (C). No. 2. First remove screws in the ears of outlet box, then slide lug (C) over the ear, (upper right hand corner). Put screws back, bend center lip down over outside box, (lower left hand corner). This fastens lug to box. When covers, fixture straps or porcelain fixtures are used, lug will stay in place independent of screws. No. 3. Cut opening in wall or ceiling just large enough to admit box. Bend the saw-tooth edges, (A) in U shape, slip into opening with ear (B) protruding out, one each on opposite sides. Bend ear (B) away from opening and back to wall. This holds support temporarily so that box can be inserted. No. 4. Push box into opening, keeping lugs (C) at right angles to ears (B). No. 5. Bend ears (B) firmly into

No. 103—Outlet Box Supports. Standard package, 500 sets. Weight per 100 sets, 26 lbs. Per 100 sets. ..........\$15.00

Dep't-E

Less than 100 sets	ozsz
100 to 500 sets	328
500 sets or more	7 A A

## WIRING DEVICES

#### SURFOLETS

#### Underwriters Approved

Safety as only All-Porcelain construction can give—No Clamps—No Connectors—No Grounding—Quick and Easy Installation—Neat Appearance—Modern Design—Economical—and a Standard Interchangeable Base.

For use with Loomwire, Romex and other similar cables.

These are a few of the finer features built into SURFOLETS that make them outstanding above all other surface wiring devices.

The SURFOLET, carefully designed and manufactured is an entirely new idea—one base serving for switches, outlets, pendents, lamp bases, and even blanks. Here is a complete surface wiring layout that requires a minimum amount of time either in installation or in changing devices, and in planning wiring layout. Minimum installation time because SURFOLETS require no clamps, no connectors, no grounding. Minimum changing time of devices because it is unnecessary to decide on the type of device at the time of planning. The SURFOLET STANDARD BASE can be installed at the desired location and the switch, or other type of device can be decided upon later. Or the base can be covered with a blank for future use.







Std. Pkg. VOZS



No. 8440 — Pendent Cord Rosette.
Shipping weight, per 100, 90 pounds.
Per 100 .....\$50.00

Dpe't-E Less Std. Pkg. Vezs







 No. 8400—Unibase
 only.
 Shipping weight per 100, 50 pounds.
 Per 100
 \$24.00

 Dep't-E
 Less Std. Pkg. 07X7 Std. Pkg. 0A78

All above except Unibase packed 50 in a standard package, 10 in a carton; Unibase 100 to standard pkg., 20 in cart

Std. Pkg. VOZS

## SURFEX SURFACE WIRING DEVICES

## SURFEX SURFACE WIRING DEVICES

## Underwriters Approved

For use with Loomwire Romex and other similar nonmetallic sheathed cables.

Made of shock-proof, corrosion-proof porcelain. Offer new simplicity, new safety, new durability.

No boxes, connectors, splicing, soldering or taping.

Entirely new and better. A simpler, safer Surface Wiring device that is made of porcelain—giving full protection against shock, corrosion and short circuit. This new Surfex system puts surface wiring on a quality basis—meets the property owners' strictest requirements.

More, it goes up quicker—just 3 simple things to do instead of 8. And it makes the work of circuit-testing easier and simpler. No longer do you have to tear out expensive taping, soldering and splicing to locate the trouble on a dead line. With the Surfex system, all you have to do is disconnect the cable from the terminals, and connect it up properly again.

Remember, also, that Surfex saves you a foot of cable on every outlet. It saves boxes, connectors, solder, rubbertape and friction-tape. You get a neater, more workmanlike job . . . a job with real eye appeal.



No. 660—Single pole dead end switch. 5 amps, 250 volts, 10 amps, 125 volts. Std. pkg. 50 Per 100 .......\$40.00



No. 661—Single pole feed-thru switch. 5 amps, 250 volts, 10 amps, 125 volts. Std. pkg. 30. Per 100 ............\$55.00











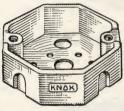
No. 670—Duplex Convenience Outlet. 10 amps, 250 volts, 15 amps, 125 volts. Standard package, 50. Per 100...\$50.00

Packed in a carton.

## PORCELAIN BOXES AND COVERS

NON-METALLIC BOXES, COVERS, RECEPTACLES, etc., were developed by Engineers in an indeavor to eradicate the so-called GROUNDING SYSTEM, particularly as applied to RURAL ELECTRIFICATION, where due to AMMONIA FUMES in cattle BARNS, the life of the well known all-metal system has been very limited, with consequent shorts, fires, and many, many deaths to cattle coming into contact with live metal raceways. Clamps are not required with porcelain boxes. Screws for boxes furnished with covers.

#### **OUTLET BOXES**



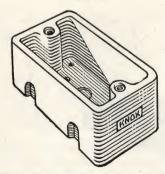
No. 8313—3¼-inch Octagon Outlet unglazed boxes. Inside depth 1% inches. Outside depth 1% inches. Screw hole spacing 2¾ inches. Standard package 50. Wt., per 100, 76 pounds. Per 100...\$20.50 No. 8314—Same as above only size 4-inch. Screw hole spacing 3½ inches. Standard package 50. Weight per 100, 110 pounds. Per 100 ...\$27.30

#### SWITCH BOXES



No. 8310—Unglazed Switch Boxes. Length 4½ inches, width 2½ inches. Height 2½ inches. Screen hole spacing 3½. Standard package 50. Weight per 100, 70 lbs. Per 100 .....\$20.50

# HANDY OUTLET AND SWITCH BOXES



No. 8318—Unglazed Handy Boxes. Length 4½ inches. Width 2% inches. Height 1% inches. Screw hole spacings 3% inches. Standard package 50. Weight per 100, 86 pounds. Per 100 .....\$20.50

#### BLANK OUTLET BOX COVERS



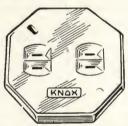
No. 8323—3<sup>1</sup>/<sub>4</sub>-inch Glazed Blank Covers. For Junction Boxes. Standard package 50. Weight per 100, 40 lbs. Per 100..\$9.20 No. 8324—4-inch Glazed Blank Covers. For Junction Boxes. Standard Package 50. Weight per 100, 90 pounds. Per 100 ...\$14.00

## PENDANT OUTLET BOX COVERS



No. 350—3¼-in. Glazed Pendant Covers for Drop cord. Standard package 50. Wt., per 100, 40 pounds. Per 100 . . . . . . \$10.00 No. 355—4 Glazed Pendant Covers for Drop cord. Standard package 50. Wt., per 100, 90 lbs. Per 100 . . . . . \$14.00

#### DUPLEX RECEPTACLE COVERS



No. 8353—3¼-inch. Glazed Duplex Receptacle covers complete with receptacle. Standard package 50. Weight, per 100, 46 lbs. Per 10 ....\$22.60

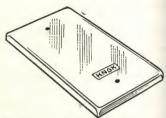
No. 8354—4-in. Glazed Duplex Receptacle Covers. Standard package 50. Weight per 100, 95 lbs. Per 100 ....\$30.20

## **OUTLET BOX SPIDERS**



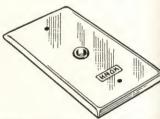
No. 8343—3¼-in. Glazed Spiders for surface mounted devices. Standard package 50. Wt., per 100, 36 lbs. Per 100...\$10.80 No. 8344—4-in. Glazed Spiders for Surface mounted devices. Standard package 50. Weight per 100, 85 lbs. Per 100..\$15.60

#### BLANK COVERS



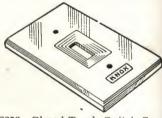
No. 8328—Glazed Blank Cover fits 8310 and 8318 Switch Boxes. Standard package 50. Wt., per 100, 50 lbs. Per 100..\$9.20

#### PENDANT COVERS

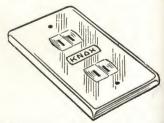


No. 8338—Glazed Pendant Covers for Drop Cord fits 8310 and 8318 Switch Boxes. Standard package 50. Weight per 100, 50 pounds. Per 100 ......\$10.55

#### TOGGLE SWITCH COVERS



#### DUPLEX RECEPTACLE COVERS



No. 8358—Glazed Duplex Receptacle Covers. Complete with receptacle to fit 8310 and 8318 boxes. Standard package 50. Wt. per 100, 50 lbs. Per 100....\$22.80 Note—Extra screws for boxes furnished with all covers.

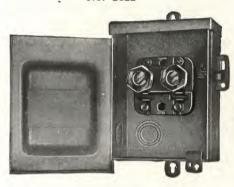
## SWITCH BOXES

# GENERAL SERVICE SWITCHES Palmer

Underwriters Approved



No. 2122



No. 2122-O

Palmer Anti-Arc Aluminum finish switches. Quick make and break mechanism.

## 2 POLE For 115-230 Volt A.C. or 125-250 Volt D.C.

No. 2122 *2122-O	Equiv. To C-H 4141H1	Amp. 30	Fuses 2 plug 2 plug	Wt. Lbs. 4	List Each \$1.70 4.80
†2122-OC **2122-A	4141H104C 4140H13	30 30	2 plug 2 plug	4	5.65

## 2 WIRE SOLID NEUTRAL (1 Blade—1 Fuse) For 115 Volt A.C.

2112	4141H2	30	1 plug	3	1.60
*2112-A	4140H14	30	1 plug		2.40

# 3 WIRE SOLID NEUTRAL (2 Blades—2 Fuses) For 115-230 volt A.C. or 125-250 volt D.C.

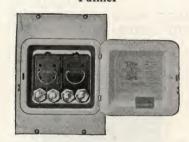
2123	4141H5	30	2 plug	4	2.00
*2123-A	4140H15	30	2 plug	1	
2120-A	41401119	30	2 prug	- T	2.80

\*An outdoor weatherproof and weather-resisting switch same as No. 2122 excepting made from Galvanized steel with two coats baked-on aluminum paint.

†Same as 2122-O but with ¾-inch pipe thread hub in up.

\*\*Suffix "A" after numbers designates dead front switch. Bakelite covering conceals wiring when cover is opened.

# COMBINATION LIGHTING AND RANGE SWITCH Palmer



Aluminum Finish-60 Amperes

	Equiv.		Mair	ns	Bran	nch		
	to	Poles	Blds	. Fusc	1. 30	60	Wt.	
	C-H			Poles	Amp.	Amp.	lbs.	Each
P444	4334H15	3	2	2	4	2	19	\$8.55

## OUTDOOR WEATHERPROOF SWITCHES

Palmer



-Aluminum Finish-

ist	
ch	
.80	
.80	
	.80

- \* Suffix D denotes switch with 1 -inch pipe thread hub in top.
- \*\* Suffix E denotes switch with 1¼-inch pipe thread hub in top.

## **CUTLER HAMMER SWITCHES**

115-230 V. A.C.

No.

4141H5

4141H11

4141H16

4141H21

4141H82

Square D

(97311C)

(97351C)

(97312C)

(97313)

(97314)

Equiv. to

#### TYPE C

# QUICK MAKE—QUICK BREAK NOT COVER—INTERLOCKED

Black Finished



Cat. No. 4131H15

### SINGLE THROW FUSIBLE

250 V. D.C.—230 V. A.C. 2-POLE

Cat.	Equiv. to		H.P. I	Rating	Wt.	List
No.	Square D	Amp.	A.C.	D.C.	Lbs.	Price
4131H 2	(45251)	30	2	5	7	\$ 4.50
4131H 3	(46252)	60	5	10	13	11.50
4131H 4	(46253)	100	10	15	20	20.00
4131H 5	(46254)	200	15	30	55	27.50
4131H 6	(46255)	400	30	50	100	80.00
4131H78	(46256)	600			125	124.00

#### 3-POLE

		4	H.P.		
Cat.	Equiv. to		Rating	Wt.	List
No.	Square D	Amp.	A.C.	Lbs.	Price
4131H13	(45351)	30	3	9	\$ 7.00
4131H14	(46352)	60	71/2	16	12.50
4131H15	(46353)	100	15	25	25.00
4131H16	(46354)	200	30	70	36.50
4131H17	(46355)	400	50	140	92.50
4131H79	(46356)	600		160	144.00

### 3-WIRE SOLID NEUTRAL

(2 Blades-2 Fuses) 125-250 V. D.C.

Cat.	Equiv. to		H.P.	Wt.	List
No.	Square D	Amp.	Rating	Lbs.	Price
4131H39	(47311)	30	*-3	8	\$ 6.00
4131H40	(47312)	60	* 71/2	15	11.50
4131H41	(47313)	100	*15	20	20.00
4131H42	(47314)	200	*30	75	31.50
4131H43	(47315)	400	*50	146	87.50
4131H81	(47316)	600		160	138.00

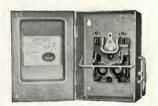
\*These H.P. ratings are for 230 V. 3 Phase A.C. only.

Above switches 100 Amp. and over approved as main line switches for commercial applications on all Northern States Power territories.

#### GENERAL PURPOSE SWITCH

Quick Break Except 30 Amp.

All 30 and 60 Amp. Aluminum Finished except 100 and 200 Amp. Black.



Cat. No. 4141H5

# SINGLE THROW FUSIBLE 2 POLE

125-250 V. D.C.

List

Wt.

No.	Square D	Amp.	Fuse	Lbs.	Price
4141H1	(99211C)	30	2 Plug	4	\$ 1.70
4141H6	(98251C)	30	2 Cart.	$4\frac{1}{2}$	2.20
4141H13	(96252C)	60	2 Cart.	_ 12	6.20
4141H18	(96253)	100	2 Cart.	18	15.00
4141H71	(96254)	200	2 Cart.	55	25.00
	/				
		3 POL	E		
	Equiv. to			Wt.	List
No.	Square D	Amp.	Fuse	Lbs.	Price
4141H3	(99311)	30	3 Plug	6	\$ 3.40
4141H9	(99351C)	30	3 Cart.	$6\frac{1}{2}$	4.10
4141H14	(96352C)	60	3 Cart.	15	7.90
4141H19	(96353)	100	3 Cart.	20	16.50
4141H74	(96354)	200	3 Cart.	62	31.50
,					
			,	1	
	2 WIR	E SOLID	NEUTRA	L	
	Equiv. to		-1-	Wt.	List
No.	Square D	Amp.	Fuse	Lbs.	Price
4141H2	(97211C)	30	1 Plug	.4	\$ 1.60
4141H8	(97251C).	30	1 Cart.	5	2.20
	4 00 -	1 10	,		
		0 0			
	3 WIR	E SOLID	NEUTRA	L	
	(2	Blades—	2 Fuses)		
	Equiv. to			Wt.	List

3 pole and solid neutral switches available in raintight cases up to 100 amp. Prices on application.

Amp.

30

30

60

100

200

Fuse

2 Plug

2 Cart.

2 Cart.

2 Cart.

2 Cart.

Lbs.

8

11

19

75

41/2

Price

\$ 2.00

3.40

6.20

15.50

27.50

## CROSS INDEX OF CATALOG NUMBERS

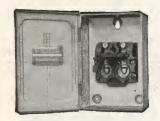
## Square D to Cutler-Hammer

Square D	С-Н	Square D	С-Н	Square D	С-Н	Square D	С-Н	Square D	С-Н
10211 10231 10251	4327H1 4327H2 4327H4	33231 33421 33431	4331H5 4331H6 4331H7	46441 46442 46443	4131H34 4131H35 4131H36	92242F 92243 9224F	4121H26 4121H125 4121H27	93211C 93251	4140H13 4140H11
10252 10271 10272	4327H7 4327H5 4327H8	33582F 33582H 33582P	4334H15F 4334H15	46444 46452 46453	4131H37 4131H30 4131H31	92244 92244F 92245	4121H126 4121H28	96252C 96253 96254 96255	4141H13 4141H18 4141H71
10314 10315	4327H25 4327H26	33582PH 33582S	4334H21 4334H21 4334H15	46454 46455 46456	4131H32 4131H33 4131H80	92245F 92246	4121H127 4121H29 4121H128	96256 96351R	4141H72 4141H73 4141H110
10331 10371 10372 10373 10391	4327H3 4327H6 4327H9 4327H12 4329H44	34211 34221 34241 34302 34302	4311H3 4311H7 4311H10 4140H6 4140H7	47311 47312 47313 47314 47315	4131H39 3141H40 4131H41 4131H42 4131H43	92251 92251F 92252 92252F 92253 92253F	4121H1 4121H19 4121H2 4121H20 4121H3 4121H21	96352C 96353R 96353 96352R 96354 96355	4141H14 4141H112 4141H19 4141H111 4141H74 4141H75
10392 10393 10394	4329H45 4329H46 4329H47	34311 34321 34341	4311H4 4311H9 4311H8	47316 47411 47412	4131H81 4131H44 4131H45	92254 92254F 92255	4121H4 4121H22 4121H5	96356 96451 96452	4141H76 4141H12 4141H17
10395 10396 10411	4329H48 4329H49 4329H50	37011 37021 37111 37121	4355H29 4355H29-4 4355H30 4355H30-4	47413 47414 47415	4131H46 4131H47 4131H48	92255F 92256 92256F	4121H23 4121H6 4121H24	96453 96454 96455 96456	4141H22 -4141H77 4141H78 4141H79
10412 10413 10414 10415 10416	4329H51 4329H52 4329H53 4329H54 4329H55	37132 37211 37332 37411	4330H1 4355H25 4330H3 4355H26	47511 47512 47513 47514 47515	4131H49 4131H50 4131H51 4131H52 4131H53	92341F 92342 92342F 92343 92343F	4121H36 4121H129 4121H37 4121H130 4121H38	97211C 97211R 97211M 97251C 97251M	4141H2 4141H105 4141H2 4141H8 4141H8
30211 30231 30251 30252	4325H2 4325H1 4325H4 4325H7	37421 37532 37611 37621	4355H26-4 4330H4 4355H27 4355H27-4	51251 51252 51261 51262	4115H35 4115H37 4115H1 4115H16	92344 92344F 92345 92345F 92346	4121H131 4121H39 4121H132 4121H40 4121H133	97311C 97311M 97311R 97311WH	4141H5 4141H5 4141H106 4302H1
30253 30271 30272 30273	4325H10 4325H5 4325H8 4325H11	37732 37782 37811 37821 37932	4330H5 4334H23 4355H28 4355H28-4 4330H6	51341 51342 51351 56251	4115H2 4115H17 4115H36 4115H4	92351 92351F 92352 92352F	4121H7 4121H30 4131H8 4121H31	97312C 97312R 97313 97313R 97314	4141H16 4141H108 4141H21 4141H109 4141H82
30314 30315 30331 30371 30372 30373	4325H25 4325H26 4325H3 4325H6 4325H9 4325H12	39011 39111 39132 39132H 39211 39332	4355H35 4355H36 4330H2 4330H2 4330H7 4355H31	56252 56261 56262 56341 56342 56351	4115H13 4115H7 4115H19 4115H8 4115H20 4115H5	92353 92353F 92354 92354F 92355	4121H9 4121H32 4121H10 4121H33 4121H11	97315 97316 97317 97318 97351C 97351M	4141H83 4141H84 4111H44 4111H45 4141H11 4141H11
30391 30392 30393 30394 30395	4325H35 4329H36 4329H37 4329H38 4329H39	39411 39532	4355H32 4330H8	56352 69251 74251	4115H14 4246H1 4231H1	92355F 92356 92356F 92441F	4121H34 4121H12 4121H35 4121H47	97412 97413 97414 97415	4141H95 4141H96 4141H97 4141H98
30411 30412 30413 30414	4329H40 4329H41 4329H42 4329H43	39611 39732 39782 39811 39902	4355H33 4330H9 4334H23 4355H34 4345H1	74341 90211 90311 90351	4231H2 4140H9 4140H10 4140H12	92442 92442F 92443 92443F	4121H134 4121H48 4121H135 4121H49	97451 97512 97513 97514	4141H94 4141H100 4141H101 4141H102
31211 31311	4326H3 4326H5	39932 45251 45351	4330H10 4131H2 4131H13	91251 91252 91253 91254	4141H23 4141H65 4141H68 4141H85	92444 92444F 92445 92445F	4121H136 4121H50 4121H137 4121H51	97515 97551 98251C	4141H103 4141H99 4141H6
31312 31313 32211	4326H2 4326H6	45451 46252	4131H29 4131H3	91255 91256	4141H86 4141H87	92446 92451	4121H138 4121H13	98251M 98251R 99211C	4141H6 4141H104 4141H1
32311 32311 32472	4311H6 4311H2 4302H2F	46253 46254 46255 46256	4131H4 4131H5 4131H6 4131H78	91351 91352 91353 91354	4141H24 4141H66 4141H69 4141H88	92451F 92452F 92452	4121H41 4141H42 4121H14	99211M 99252C 99253	4141H1 4141H46 4141H51
32482 32572 32582 32672	4302H2 4302H17F 4302H17 4302H3F	46341 46342 46343	4131H24 4131H25 4131H26	91355 91356 91452	4141H89 4141H90 4141H67	92453 92453F 92454	4121H15 4121H43 4121H16	99311 99312C 99313 99314	4141H3 4141H49 4141H54 4141H82
32682 33001 33021	4302H3 4331H3 4331H1	46344 46352 - 46353	4131H27 4131H14 4131H15	91453 91454 91455 91456	4141H70 4141H91 4141H92 4141H93	92454F 92455 92455F	4121H44 4121H17 4121H45	99315 99351C	4141H83 4141H9
33031 33211 33221	4331H2 4311H1 4331H4	46354 46355 46356	4131H15 4131H16 4131H17 4131H79	92241F 92242	4121H25 4121H124	92456 92456F 93211	4121H18 4121H46 4140H8	99352C 99353 99354 99355	4141H47 4141H52 4141H74 4141H75

## **CUTLER-HAMMER SWITCHES**

## TYPE D-FRONT OPERATED

Single Throw, Not Cover Interlocked
Aluminum Finished.



D Puller.

Cat. No. 4140H8

250 V. A.C., D.C.

2 POLE

	Equiv. To			Wt.	List
No.	Square D	Amp.	Fuses	Lbs.	Price
4140H8	(93211)	30	2 Plug	4	\$1.70
4140H11	(93251)	30	2 Cart.	4	2.20
4140H7	(34302)	60	2 Cart.	9	6.20
*4140H13	(99211W.H.)	30	2 Plug	4	2.50

\*4140H13 same as 4140H8 but has bakelite shield over wiring and connections.

#### 2 WIRE SOLID NEUTRAL

## (1 Blade-1 Fuse 125 Volts)

	Equiv. To			Wt.	List
No.	Square D	Amp.	Fuses	Lbs.	Price
4140H9	(90211)	30	1 Plug	4	\$1.60
*4140H14	(97211W.H.)	30	1 Plug	4	2.40

<sup>\*</sup>Same as 4140H9 except for bakelite dead front.

## 3 WIRE SOLID NEUTRAL

## (2 Blades-2 Fuses, 125-250 V., A.C. D.C.)

	Equiv. To			Wt.	List
No.	Square D	Amp.	Fuses	Lbs.	Price
4140H10	(90311)	30	2 Plug	4	\$2.00
4140H12	(90351)	30	2 Cart.	4	3.40
4140H6	(34302)	60	2 Cart.	9	6.20
*4140H15	(97311W.H.)	30	2 Plug	4	2.80

<sup>\*</sup>Same as 4140H10 except for bakelite dead front.

Dead front switches for use on R.E.A. projects and for water heater installations requiring dead front switches.

### OUTDOOR WEATHERPROOF, RAINTIGHT SWITCHES—Externally Operated Zinc Plated.



## Cat. No. 4141H107 2 POLE

337+

20

22.00

Fauir to

	Equiv. to		VV L.	TITOL
No.	Square D Amp.	Fuses	Lbs.	Price
4141H114C	(99211RC) 30	2 Plug	6	\$5.65
	2 WIRE SOLID N	EUTRAL		
	(1 Blade, 1 Fuse	, 125 V.)		
	Equiv. to		Wt.	List
No.	Square D Amp.	Fuses	Lbs.	Price
4141H105C	(97211RC) 30	1 Plug	6	\$5.35
	3 WIRE SOLID N	EUTRAL		
(2 B	lade, 2 Fuses, 125-2	50 V. A.C	. D.C.)	
	Equiv. to		Wt.	List
No.	Square D Amp.	Fuses	Lbs.	Price
4141H106C	(97311RC) 30	2 Plug	6	\$5.95
4141H107C	30	2 Cart.	9	7.05
4141H108	(97312R) 60 ·	2 Cart	16	10 90

Suffix C denotes switch with 34 inch pipe thread hub in top.

2 Cart.

(97313R) 100

List prices, 60 and 100 Amp. do not include hub. Available with hubs as follows:

60 Amp. with one 1 inch hub in top at 85c or 1¼ inch at \$1.15 list extra. 100 Amp. with one 1 inch hub in top at 85c or one 1¼ inch at \$1.15 or one 1½ inch at \$1.60 list extra.

Above switches approved on all Northern States Power territories.

## OUTDOOR WEATHERPROOF, RAINTIGHT, ZINC PLATED, SURFACE MTD. SWITCH



Cat. No. 4345H1

Pull-out type main switch in raintight, cadmium plated enclosure.

## 60 AMP. 3 WIRE SOLID NEUTRAL, 125-250 V. A.C.

No	Equiv To Square D	Fuses	Wt., Lbs.	List Price
*4345H1D	(39902D)	2-60	12	\$6.80
**4345H1E	(39902E)	2-60	12	6.80
*Suffix D	denotes switch	with 1 inch	pipe threa	d hub

n top.

\*\*Suffix E denotes switch with 1¼ inch pipe thread

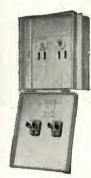
hub in top.

4141H109

## **CUTLER HAMMER SERVICE SWITCHES**

## COVER OPERATED MAIN SWITCHES

Dead Front Construction



Aluminum Finish

With removable sides, especially suitable for ganging.

Cat. No. 4331H2

#### WITHOUT BRANCH CIRCUITS

	Equiv. to							List	
No.	Square D	Amp.	Volts	Pole	Blds.	Fuses	Lbs.	Price	
4331H1	(33021)	30	125	2	1	1 Plug	8	\$4.50	
4331H2	(33031)	30	125-25	0 3	2	2 Plug	9	5.50	
4331H3	(33001)	30	125-25	0 2	2	2 Plug	9	5.50	
4331H1 4331H2	(33021) (33031)	30 30	125 $125-25$	2 0 3	1 2	1 Plug 2 Plug	8	\$4 5	.50 .50

For switches W/O side wall, deduct \$0.30 list for each side wall omitted.



Cat. No. 4331H7

## WITH BRANCH CIRCUITS

Has removable interior for easy wiring.

	Equiv. to					N	o. Bi		List
No.	Square D	Amp.	V. Pol	les	Bld.	Fuses	Circ.	. It.	Price
4331H4	(33221)	30	125	2	1	1 Plug	2	9	\$5.50
4331H6	(33421)	30	125	2	1	1 Plug	4	10	7.00
4331H5	(33231)	30	125-250	3	2	2 Plug	2	9	6.50
4331H7	(33431)	30	125-250	3	2	2 Plug	4	10	8.00

# FUSELESS MAIN DISCONNECT SWITCH WITH BRANCH CIRCUITS

Dead Front—3 Wire Grounded, Solid Neutral Aluminum Finish.



Cat. No. 4302H17



Cat. No. 4302H3

With new removable interior and one-screw cover, ors and removable interior.

Cat.		Volts	Ft	ises		Wt.	List	Price
No.	Amp	. A.C. 1	Main	Rang	ge Ltg.	Lbs.	Surf.	Flush‡
4302H1	30	125-250	0	0	2 Plug	4	\$2.80	
†4302H9	30	125-250	0	0.	3 Plug	6	6.00	\$6.50
†4302H2	30	125-250	0	0	4 Plug	7	6.50	7.00
†4302H10	30	125-250	0	0	5 Plug	71/	2 7.00	7.50
†4302H3	30	125-250	0	0	6 Plug	8	7.50	8.00
4302H18	60	125-250	0	0	6 Plug	14	10.25	11.25
4302H17	60	125-250	0	2-60	4 Plug	14	8.30	9.30
*4302H7	60	125-250	0	2-60	4 Plug	16	8.75	9.75

\*Same as 4302H17 except W/ extra large case.

‡Flush cover finished in grey enamel.

 $\dagger 4302H2\text{-}3\text{-}9\text{-}10$  surface type available W/ meter end wall.

#### PULL OUT TYPE MAIN AND RANGE SWITCHES

Dead Front Construction
3 Wire Grounded Solid Neutral

Aluminum Finish



Cat. No. 4334H15

With new one-screw cover and removable interior.

## 60 Amp. 125-250 V. A.C. Only

	Equiv. to		Fuses		Wt.	List Price	
No.	Square D				Lbs.		
4334H15	(33582)	2-60	2-60	4 Plug	111/2 \$	8.55 \$ 9.55	
4334H23				6 Plug		14.50 14.50	
4334H24						19.00 21.00	

### **CUTLER HAMMER CONTROLS**

### A.C. MAGNETIC OR AUTOMATIC ACROSS THE LINE TYPE STARTERS

**Manual Starters** are satisfactory for most applications which do not require frequent starting and stopping, and where the starter can be mounted near the operator without requiring long motor leads. Continuously operating

equipment can usually use manual control.

Automatic Control should be used where the starter is operated frequently, and where the motor is located at a distance from the operator. The remote control feature allows mounting the starter near the motor with only small control wires run to the pushbutton station or other master switch—thus saving much wiring when installing. The pushbutton or other starting device can be mounted at a point most accessible to the operator where it is always quickly available.



Bul. 9584 Size 1 Starter Bul. 9586 Size 1 Starter

Prices include heater coils but do not include separate pushbutton station.

FOR SINGLE PHASE MOTORS

						List Price	W/P.B.
Cat.		I	Max. H	.P. Rat	ing	W/Overload	in
No.		Size	110V	220V	440-550V	Reset Only	
9584		0	1	11/2	11/2	\$12.00	\$14.00
9584		1	11/2	3	5	14.00	16.00
9584		11/2	3	5	5	18.00	20.00
	FOR	3 P	HASE	SQUI	RREL CA	GE MOTOR	S

List Price W/P.B. Max. H.P. Rating W/Overload Cat. Size 110V 220V 440-550V Reset Only Cover No. 11/2 2 2 \$14.00 \$16.00 9586 0 71/2 16.00 18.00 5 9586 3 25 15 30.00 34.00 9586 71/2

## PUSHBUTTONS FOR USE WITH ABOVE





Two button — standard duty general purpose—button operated 10250H56.

Two button — standard duty—water-tight and dust tight—lever operated.

 Catalog
 No.
 Enclosure
 List Price

 10250H56
 Standard
 \$2.00

 10250H322
 Water and Dust Tight
 7.00

Starters and pushbuttons can be furnished in dust tight, weather proof, water tight and Class I, Group D Enclosures. Prices on request.

When ordering specify H. P. rating of motor, voltage, cycles, phases and whether separate or pushbutton in cover is desired.

## A.C. MANUAL ACROSS THE LINE TYPE STARTERS







Bul. 9101 Size OO Starter

Bul. 9103 Size O Starter

Bul. 9115 Size O Starter

Prices include necessary heater coils.

#### FOR SINGLE PHASE MOTORS

Maximum H.P. Rating

Cat.		A.C.	440-	D.	C.		List
No.	110 V.	220 V.	500 V.	115 V.	230 V.	Poles	Price
9101H60	1	1		1/2	1/8	1	\$ 2.25
9103H2	1	11/2	$1\frac{1}{2}$	$1/_{2}$	1/4	2	7.10
9115H35	1	11/2	$1\frac{1}{2}$	1/2	1/4	2	6.50
9115H53	11/2	3	5			2	8.50

#### FOR POLYPHASE MOTORS

Cat.	Max. H.P. Rating							
No.	110 V.	220 V.	440-550 V.	Poles	Price			
9115H38	1 1/2	2	2	3	\$ 7.50			
9115H37	1 1/2	2	2	4	11.50			
9115H26	3	5	$7\frac{1}{2}$	3	9.50			
9115H24	3	5	71/2	4	13.50			

## DRUM TYPE—REVERSING—ACROSS THE LINE MANUAL STARTERS



Single Phase and Polyphace

#### THREE POLE

Bul. 9441 Size OO with Radial Lever

Max. H.P. Rating									
Cat.	1 Ph	ase	3 Ph	ase	440-	Oper.	List		
No.	110V	220V	110V	220V	550V	Mech.	Price		
9441H31	3/4	3/4	3/4	3/4	3/4	Radial	\$ 4.00		
9441H37	1	11/2	$1\frac{1}{2}$	2	2	Radial	6.00		
9441H2	11/2	3	5	5	5	Radial	12.00		

Above catalog numbers cover non-self-centering type. Can be furnished in self-centering type. Prices on application.

## **CUTLER-HAMMER MULTI-BREAKERS**



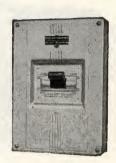
MB

15 to 50 amperes. For Branch Circuit Protection.



MI

35 to 50 amperes. For Lighting and Power Circuits.



MO

- eg

15 to 25 amperes. For Lighting and Power Circuits.

Multi-Breakers eliminate fuses altogether. The toggle switch handles automatically trip under the same conditions which cause a fuse to blow. By simply removing cause of short or overload and flipping handle from off to on, the current is restored.

Multi-breakers having six circuits or less approved by National Electric Code for installation without any main line switch.

			No. of	CIRCUIT	RATINGS	INSULATED	
Surface Type	Flush Type	Туре	Main or Branch Circuits	Lighting—2 Wire Switching Neutral Single Pole Breakers	Main—Range Water Heater and Sub-Feed—Double Pole Breakers	GROUNDABLE NEUTRAL Surface or Flush List Price	
			,	2 WIRE S/N 115 VC	DLTS A. C.		
113110S 131120S 131130S	131110F 131120F 131130F	МО	1	1-15A 1-20A 1-25A		\$ 2.15 2.15 2.15	
*131711S *131712S *131722S *131733S	*131711F *131712F *131722F *131733F	МО	2	2-15A 1-15A 1-20A 2-20A 2-25A		2.80 2.80 2.80 2.80	
		*Also suitable for	use on 3-Wire S	/N, 115/230 Volts A. C.			
				3 WIRE	E S/N 115/230 VOLTS A.	C.	
131611S 131622S 113633S	131611F 131622F 131633F	МО			1-15A 1-20A 1-25A	2.80 2.80 2.80	
16344S 16355S	16344F 16355F	MI	1		1-35A 1-50A	6.30 6.30	
333250S 333270S 333290S 333216S	333250F 333270F 333290F 333216F	M2			1-50A 1-70A 1-90A 1-100A	†15.50 †16.50 †16.50 †16.50	
		These prices are	for surface type	. For flush type devices, ad	d \$2.00 list.		
				3 WIRE	E S/N 115/230 VOLTS A.	C.	
35040-01S 35040-21S	35040-01F 35040-21F		4	4-15A 3-15A 1-20A		9.00 9.00	
35041-41S 35041-46S 35041-47S 35041-56S	35041-41F 35041-46F 35041-47F 35041-56F	MB 70 Amp. Solid	5	4-15A 3-15A 1-20A 2-15A 1-20A 3-15 I-20	1-35A 1-35A 1-35A 1-500A	11.00 11.00 11.00 11.00	
35042-56S 35051-56S 35060-01S	35042-56F 35051-56F 35060-01F	Mains	6	4-15A 4-15A 1-20A 6-15A 5-15A 1-20A	1-20A 1-50A 1-50A	13.50 12.00 11.00 11.00	

## TIME SWITCHES

## PARAGON TIME SWITCHES



The foremost characteristic of the Paragon 300 Series is simplicity—achieved by better design and fewer parts. Simplicity of construction assures dependability and long life—the two most important factors in a time switch.

Switching mechanism is of the heavy duty type, with sturdy bronze blades and large pure silver contacts. ....

..Standard models are equipped for one "ON" and one "OFF" operation daily, but can be supplied for two or three "ON" and "OFF" operations where required at no added cost. Operations may be set as close as approximately two hours apart.

Cases are of heavy drawn steel, styled in an attractive modern design and handsomely finished in black crackle lacquer with red and silver trim. Concentric knockouts are located on all sides and a large wiring compartment is provided for quick and easy installation. The door is side hinged and secured with a nickel plated hasp and a non-breakable door glass gives dial visibility for reading time of day.

#### Specifications

Case Size—7 inches high by 4½ inches wide by 3 inches deep.

Weight-5 pounds each, packed for shipment.

Mod	el Amp	os. Watts	Volts			
No.	Per Pole	Per Pole	Clock Motor & Switch	Poles	Throw	Price
301	30	3000	115V. 60C. A.C.	1	1	\$13.00
						7 O T
302	15	3000	230V. 60C. A.C.	1	1	14.00 3 V S
303	30	3000	115V. 60C. A.C.	2	1	15.00 ozsz
304	15	3000	230V. 60C. A.C.	2	1	16.00 0 Z O T

Dep't-E

One in a Carton.

# FUSE CABINETS Cutler-Hammer





4 Circuit
Cutler Hammer Fuse Cabinets interchangeable for 1

or 3 wire service.

All exposed metal parts cadmium plated. Surface type cases and covers aluminum; flush cases aluminum covers grey enamel.

covers grey chamer.										
	FLUSH MOUNTING TYPE									
		No. of	Wt.		Each					
		circuits	lbs.							
No.	4355H25	2	41/2	OXO	\$2.20					
No.	4355H26	4	6	0 0 Z	2.90					
No.	4355H27	6	9	XOT	4.85					
No.	4355H28	8	12	ΛZX	7.30					
		SURFACE MOU	INTING TYPE							
No.	4355H31	2	5	OXO	\$2.20					
No.	4355H32	4	7	00Z	2.90					
No.	4355H33	6	. 9	XOT	4.85					
No.	4355H34	8	12	ΛZX	7.30					

POULTRY HOUSE TIME SWITCH Bacon

Underwriters Approved





Inside Mechanism Outside View
Bacon Automatic Dimming Poultry House Light Control brings lights up from dim to bright like early dawn turns to daylight and puts them out like twilight fades into night, automatically at any time desired, giving the hens a chance to bestir themselves in the morning and go to roose at night their natural way.

A self starting electric clock movement that requires no winding or other frequent attention and after current interruptions will start automatically, and is a positive time piece.

It will perform any practical number of operations of time periods in the 24 hours and is designed so that you may either dim your lights before going out or turn them off and on without dimming.

TZS

## **CUT-OUT BOXES AND TAPE**

#### CUTOUT BOXES



All Steel Cabinets are Baked Enamel. Style SL Surface Boxes-16 Ga.

	Wt. Each		Each
4½x9x3	3 lbs.	V 7	\$0.76
6x8x4	4 lbs.	ΔZ	1.00
8x10x4	6 lbs.	TZ	1.40
10×12×4	8 lbs.	JΖ	1.80
10x15x4	10 lbs.	OSZ	2.20
12x15x4	11 lbs.	OXA	2.50
12x18x4	12 lbs.	OAZ	2.80
12×24×4	17 lbs.	XOZ	4.20
15x18x4	15 lbs.	XTZ	5.40
18x24x4	29 lbs.	AXZ	8.40
Den't-E			

#### PLUG CUTOUTS



No. 1935-Single Branch Double Pole Cutout. 30 ampere 125 volt. Size of base 2.x3½ inches. Weight per 100, 80 pounds.

.....\$35.00 Per 100 Dep't-E

Packed 10 in a carton.



No. 2965-Double Pole Main Line Cutout. 30 Ampere 125 Volt. Size base 21/2x3 inches. Weight per 100, 65 pounds. Per 100

Dep't-E Packed 10 to a carton.



No. 2165-Triple Pole Main Line Cutout. 30 ampere 125 volt. Size base 4½x2½ inches. Weight per 100, 78 pounds. Per 100

. . \$50.00 Dep't-E VXZS

Packed 5 to a carton.

#### RUBBER TAPE Panther



Panther Tape is free from edgeraveling, have high tensile strength and are extremely adhesive.

Panther Rubber Tape-No. 8-Average 23 ft. roll. %-inch Wt. per roll, 8 ozs. Per lb. ... \$0.60 1 to 49 lbs. AT 50 lbs. AX

No. 4-Average 11 ft. to roll. 34-in. Weight per roll, 4 ozs. Per lb. \$0.70 1 to 49 lbs. A7 50 lbs. AV

No. 2-2 oz. Rolls. 34-inch wide. Per dozen rolls ......\$1.20 Dep't-E

1 dozen rolls per carton.

## FRICTION TAPE Panther



Panther Friction Tape is exclusively marketed through the wholesale trade. Their cellophane wrapping and sealing makes sales easier everywhere.

Panther Friction Tape-

No. 8-Average 60 ft. to roll. 34-in. Per lb. .....\$0.50 1 to 49 lbs. V⊃ 50 lbs. V△ No. 4-Average 30 ft. to roll. 34-in. Per lb. .....\$0.60 1 to 49 lbs. AO Dep't-E 50 lbs. VT

## TELEPHONE AND BATTERY **SWITCHES**

Porcelain



No. 1831-Single Pole, Single Throw; Weight per 100, 63 pounds. Per 100 .....\$12.00

Dep't-E 10 to a carton, 250 to std. pkg.



No. 1841-Single Pole, Double Throw; Weight per 100, 53 pounds.

Per 100 .....\$15.00 Dep't-E 10 to a carton, 150 to std. pkg.



No. 1832-Double Pole, Single Throw; Weight per 100, 55 pounds. Per 100 .....**\$20.00** 

Dep't-E 10 to a carton; 100 to std. pkg.



No. 1842 - Double Pole, Double Throw. Weight per 100, 65 pounds. Per 10 0......\$25.00 Dep't-E

10 to a carton; 100 to std. pkg.

#### ENTRANCE SWITCHES



Double Pole. With reversible blades 30 Amperes, 125 Volts. Weight per 100, 185 pounds.

No. 8712—Fusible top. Per 100.\$60.00 Dep't-E

One in a box; 100 to a pkg.

## **FUSES**

# COLORTOP FUSES Underwriters Approved



Insist on Fuses with Underwriters' Label

"COLORTOP" FUSES are available in "a color for every size." The primary purpose is to have the color serve as a rating indicator. This feature has a threefold advantage, it enables inspectors to instantly know the sizes of fuses in various installations. It enables "trouble shooters" for Utilities to quickly "spot" the desired size from a box of assorted fuses and it educates users to the extent where they will automatically replace the proper size. Color is remembered more easily than figures.

They're packed in 5-unit cartons to facilitate merchandising—have the clear mica window that shows when they blow—and possess the qualities of large center contact, full threaded heavy shell and all porcelain non-shock top.

#### Sub-Standard Size

No.	655—6 A	mpere. I	Brown color. Per 100\$6.	.60
			Standard Sizes	
No.	1055-10	Ampere.	Yellow Color. Per 100\$6.	.00
No.	<b>1555—15</b>	Ampere.	Blue Color. Per 100 6.	.00
No.	<b>2055—</b> 20	Ampere.	Pink Color. Per 100 6.	.00
No.	<b>2555</b> —25	Ampere.	Red Color. Per 100 6.	.00
No.	<b>3055</b> —30	Ampere.	Green Color. Per 100 6.	.00
		Wels	ght per 100, 6% pounds.	

#### HOMEGUARD FUSES

Not Approved By Underwriters



Homeguard fuse made for dealers desiring to meet competitive factors. Extreme care used in connecting the fusible link which is soldered at both ends a very important point in the construction of plug fuses. Homeguard fuses take the highest ranking in the unapproved class of fuses.

Nos.	H10	H15	H20	H25	H30
Amps	10	15	20	25	30
Unit carton	5	5	5	5	5
Standard Pkg	50	50	50	50	50
Wt., per 100, lbs	61/2	61/2	61/2	61/2	61/2
Per 100	\$4.00	\$4.00	\$4.00	\$4.00	\$4.00

# BUSS CLEAR WINDOW PLUG FUSES Underwriters Approved





The idea of a retail box of fuses was originated by BUSS to help the dealer sell 5 instead of 1 or 2 fuses. This coupled with the practical information on the box about the use of electricity adds real sales speed to BUSS fuses.

Selling five fuses in a BUSS box increases the amount of sale, saves handling and wrapping costs and helps get away from destructive price competition.

#### Sub-Standard Size

I	No.	<b>806</b> —6	ampere.	Per 10	0	\$6.60	
١				Sta	nd	ard Sizes	
I	No.	810-10	Ampere.	Per 1	00	<b>\$6.00</b>	
ı	No.	815-15	Ampere.	Per 1	.00	6.00	
١	No.	820-20	Ampere.	Per 1	00	6.00	
١	No.	825-25	Ampere.	Per 1	00	6.00	
						6.00	
I			W	eight 6	1/2	pounds per 100.	



## **BUSS FUSETRONS AND FUSTATS** UNDERWRITERS APPROVED

Fusetrons—A regular fuse with medium screw base to which a Thermal Cutout is added.

Fustats—Same as above but made with special screw base to resist tampering and over-fusing.

#### HOW FUSETRON AND FUSTATS OPERATE

From the outside, this remarkable protective device looks like a fuse—but the inside is very different. It is a fuse—to which a thermal cutout is added.

Any excessive current causes the coil in the thermal cut-out to heat up and if the overload is continued long enough, the solder in the heat coil softens and permits the spring to pull out the end of the fuse link, thus opening the circuit.

Because it takes some time to melt solder, even with a heavy current, the thermal cutout cannot open quickly —and the fuse link is heavy enough so it won't open quickly on starting currents—hence the Fustat will not open on motor-starting currents that last only a short while.

When a short-circuit occurs, the fuse link opens in exactly the same manner as an ordinary fuse operates.

#### FUSETRONS



#### 0-12 Amperes

matara against hurnout

ro pro	nect m	otors	agamst	Durnout
No.	701	1.	ampere	
No.	7012	1.25	ampere	
No.	7016-	1.6	ampere	
No.	702 -	2.	ampere	
No.	7025-	2.5	ampere	
No.	7032-	3.2	ampere	
No.	704	4.	ampere	
No.	705 -	5.	ampere	
No.	7062-	6.25	ampere	
No.	708 -	8.	ampere	
No.	710 -	10.	ampere	
No.	712 -	12.	ampere	
List p	er 100			\$15.00
_	15.0			

#### 15-30 Amperes For Circuit Protection.

No. 715—15 ampere No. 720—20 ampere No. 725—25 ampere

No. 730-30 ampere List per 100 ....

All above packed 4 to a carton. Weight per 100, 7 pounds.

#### **FUSTATS**



#### 0-14 Amperes

o protect motors	against burnout.
No. 901 — 1.	ampere
No. 9012— 1.25	ampere
No. 9016— 1.6	ampere
No. 902 — 2.	ampere
No. 9025— 2.5	ampere
No. 9032— 3.2	ampere
No. 904 — 4.	ampere
No. 905 — 5.	ampere
No. 9062— 6.25	ampere
No. 908 — 8.	ampere
No. 910 —10.	ampere
No. 912 —12.	ampere
No. 914 —14.	ampere
List Per 100	\$15.00

## 15-30 Amperes

For Circuit Protection No. 915—15 ampere No. 920—20 ampere No. 925—25 ampere

No. 930-30 ampere

. . . . . . \$7.50 List Per 100 ..... All above packed 4 to a carton. Weight per 100, 7 pounds.

## **FUSTAT ADAPTORS**



Adapter can be used with any type medium base Fuse Holder. Locks itself in place. Cannot be removed unless destroyed. Will accommodate only that size Fustat for which intended.

#### Fits Fustats Nos.

A01 1 amp. and smaller sizes. A012 11/4 amp. and smaller sizes. 1.6 amp. and smaller sizes. 1.8 and 2 amp. A016 A02 1.8, 2, 2¼ and 2½ amp. 1.8, 2, 2¼, 2½, 2.8 and 3.2 amp. A025 A032 A04 31/2 and 4 amp. 3½, 4, 4½ and 5 amp. 3½, 4, 4½, 5, 5.6 and 6.25 amp. A05 A062 7 and 8 amp. A08 A10

7, 8, 9, and 10 amp. 7, 8, 9, 10, 12, 14 and 15 amp. A15

A20 20 amp. 25 and 30 Amp. A30

List Per 100 ......\$7.50 Above packed 4 to carton.

Weight per 100, 4 pounds.

#### SIZES TO USE FOR MOTOR PROTECTION

See name plate of motor or device for amperes. Then use Fustat of approximately same rating or slightly higher rating, as shown in table, except—

In Fustat receptacles mounted directly on motors use same size previously used or use size shown in base of receptacle.

Horse power of motor gives no definite indication of size Fustat to be used as amperage of AC motors of the same size varies a great deal.

Amper		Motors that are usua of such Amperage		eres of STAT	Ampe		Motors that are usual of such Amperage		eres of STAT
Devi		Single Phase 110-V	Ordinary	*Heavy	Dev	ice	Single Phase 110-V	Ordinary	*Heavy
			Service	Service				Service	Service
.95 to	1.04		1.	1.25	3.77 to	4.16	1/4 hp	4.	5.
1.05 to	1.17		1.25	1.25	4.17 to	4.70	1/4 hp	5.	5.
1.18 to	1.30		1.25	1.6	4.71 to	5.20	⅓ hp	5.	6.25
1.31 to	1.50		1.6	1.6	5.21 to	5.88	⅓ hp	6.25	6.25
1.51 to	1.67		1.6	2.	5.89 to	6.50		6.25	8.
1.68 to	1.88		2.	2.	6.51 to	7.52	½ hp	8.	8.
1.89 to	2.08		2.	2.5	7.53 to	8.32	½ hp	8.	10.
2.09 to	2.35		2.5	2.5	8.33 to	9.40	3/4 hp	10	10.
2.36 to	2.60	1/8 hp	2.5	3.2	9.41 to	10.40	3/4 hp	10.	12.
2.61 to	3.00	1/6 hp	3.2	3.2	10.5 to	11.3		12.	12.
3.01 to	3.33	½6 hp	3.2	4.	11.4 to	12.5	1 hp.	12.	14.
3.34 to	3.76	1/5 hp	4.	4.	12.6 to	14.1	1 hp.	14.	

\*Such as Electric Refrigerators.

#### **FUSES**

#### BUSS ONE-TIME FUSES

#### NEC Type 250 Volt Non Renewable



#### 1 to 60 Ampere Fuses

Cap crimped onto tube, entire edge of cap being swedged or turned into tube. This enables fuse to withstand most severe short circuits without expulsion of hot gases or blowing off of caps. No pins or screws to fall out or blow out. A small indentation in the edge of the cap prevents its turning and twist-

ing and injuring the link.

250 volt fuses 1 to 60 ampere (also 1 to 12 amp. 600 V.) have no soldered joint on inside. Fuse strip is die cut, runs straight through case and is soldered on the outside. Therefore no in-accuracies or variations in manufacture are possible and users are assured that each and every BUSS fuse will carry its rated

load indefinitely.

#### NEC FERRULE TYPE

		Amperes	Car	rt. Qty.	Wt. per	r 100 lbs	s. Each
No. 2	5010	10		10	3		\$0.15
No. 2	5015	15		10	3		.15
No. 2	5020	20		10	3		.15
No. 2		25		10	3		.15
No. 2		30		10	3		.15
No. 2		35		10	10		.30
No. 2		40		10	10		.30
No. 2		50		10	10		.30
No. 2		60		10	10		.30
2101	0000	00		10	10		.00
				Length	Dia	m.	Diam.
				Overall			Ferrules
10	0 to 30 Amp	Size		2	1/2		18
	5 to 60 Amp			3	3/4		13
- 0.	o to to maip	· DIEC			74.		16
	1 1	-			_		
	100	7		14			
			- L	.		1000	

## 65 to 200 Ampere Fuses

Construction of knife blade sizes is such as to always assure positive alignment of blades because the fuses are built while positive angiment of blades because the ruses are blade wither fastened in jigs that cannot be closed unless the blades are in absolute alignment. Poor contact in fuse block clips means pre-mature blowing of fuse with probable injury to the case, result-ing in a fire hazard. Such poor contact is not possible on a BUSS fuse if the clips are clean and tight, because the blades are positively aligned.

Fusible element is riveted and soldered direct to terminals, insuring perfect contact, thus eliminating faulty contact with resultant premature burnout. Caps are held to tube by rivets running through fuse. No screws to come loose or fall out.

#### NEC KNIFE BLADE TYPE

		Amperes	Cart. Qty.	Wt. per 100 lbs.	Each
No.	25070	70	5	32	\$0.90
No.	25080	80	5	32	.90
No.	25090	90	5	32	.90
No.	25100	100	5	32	.90
No.	25125	125	1	79	2.00
No.	25150	150	1	79	2.00
No.	25175	175	- 1	79	2.00
No.	25200	200	1	79	2.00

Additional sizes up to 600 amp. also available-Prices upon request.

	Conta	ct Blade.	In.	Length Overall	Diam. Tube
Amps.	Thickness	Width	Length	In.	In.
70-100	1/8	3/4	1	5 %	1
125-200	2	112	1 %	71/8	11/2

## BUSS RENEWABLE FUSES Underwriters Laboratories Inspected

BUSS ADVANTAGES

The Super-Lag Feature
BUSS Super-Lag Fuses have a super-long time-lag. They don't blow as often as old style fuses—they won't pop

open on every surge or harmless overload. They help keep machines running-keep workers on the job and prevent needless shutdowns.

They give better motor protection—make it possible to fuse nearer to the motor rating—prevent single phasing.

Fuse Case Design

Few simple parts make renewal quick and easy-faulty re-

newal is impossible.
Fuses have longer life as they can stand the wear and tear there's nothing to break or lose.

Heating from poor contact prevented—charring and burning of cases practically eliminated—needless blowing of fuses is avoided—and fuse bills are materially reduced.



## 250 VOLT COMPLETE FUSES

	N. E. C.	Ferrule Typ	e	
	Amperes	Cart. Qty.	Wt. per 100 lbs	. Each
No. 1010	10	10	51/2	\$0.40
No. 1012	15	10	5 1/2	.40
No. 1013	20	10	51/2	.40
No. 1014	25	10	51/2	.40
No. 1015	30	10	51/2	.40
No. 1016	35	10	14	.80
No. 1017	40	10	14	.80
No. 1019	50	10	14	.80
No. 1021	60	10	14	.80
			Length	Diam.
		Length	Diam,	Diam.
		Overall	Tube over	Ferrules
	mp Size	2	1/2	*
35 to 60 A	mp. size	3	3/4	18



### N. E. C. KNIFE BLADE TYPE

Cart Oty

Wt. ner 100 lbs

	Amperes	cart. Qty.	wt. per 100 lbs.	Lac
No. 1023	70	5	46	\$1.8
No. 1025	08	5 5	46	1.8
No. 1027	90	5	46	1.8
No. 1029	100	5	46	1.8
No. 1031	125	1	109	\$4.0
No. 1032	150	1	109	4.0
No. 1033	175	1	109	4.0
No. 1034	200	1	. 109	4.0
	Contact	Blade, In.	Overall	Tub
Amps.	Thickness	Width Length	In.	In
70-100	1/8	3/4 1	5 1/8	1
125-200	16	1 1/8 1 3/8	71/8	14
	250 V SUPER	RLAG RENEWA	L LINKS	
	Amperes	cart. Qty.	Wt. per 100 lbs.	Eacl
No. 1106	6	100	1/4	\$0.0
No. 1110	10	100	1/4	.0
No. 1112	15	100	1/4	.0.
No. 1113	20	100	1/4	.0
No. 1114	25	100	1/4	.0
No. 1115	30	100	1/4	.0
No. 1116	35	100	1	\$0.0
No. 1117	40	100	1	.0
No. 1119	50	100	1	.0-
No. 1121	60	100	1	.0
No. 1123	70	50	2	\$0.0
No. 1125	80	50	2	.0
No. 1127	90	50	2 2 2	.01
No. 1129	100	50		.01
No. 1131	125	25	5	\$0.2
No. 1133	150	25	5	.2
No. 1135	175	25	5	.21
No. 1137	200	25	5	3

Additional sizes-Prices upon request.

## WIRE HOLDERS Porcelain Products



Light duty porcelain wire holder. For spans of light gauge wires, radio antenna, etc. Height 2 inches, diameter 13/8 inches. Screw length 11/2 inches. Wire hole 1/2

No. 1933—Wire Hölder. 100 to a carton. Weight per 100 40 pounds. Per 100 ......\$15.00

WIRE HOLDERS Lecrolite

1



The Lectrolite wireholder provides a fixture that will accommodate large cables without sacrificing strength. This is accomplished by placing the porcelain in compression and relying on the metal yoke to absorb the strain. The porcelain is therefore primarily used for insulation only.

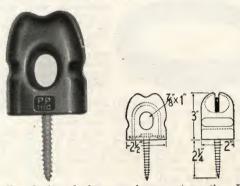
The metal base and straps extending up the sides of the insulator are in one piece. An Everdur copper rivet passes through the porcelain and completes the metal yoke.

A No. 22 wood screw threaded the entire length extends 2-inches below base of insulator. Screws and metal parts are cadmium plated.

No. 1100—Porcelain size 2% inches high by 1% inch diameter. Wire Hole % inch. Weight per 100, 65 pounds. Per 100 .....\$25.00

Packed 50 to a carton.

#### WIRE HOLDERS Porcelain Products



Ruggedly designed for maximum strength.

customer complaints against rust-streaked buildings.
Has no exposed metal at base. No other available bail or shackle type wireholder has this exclusive patented feature to guard against rust streaked buildings.

diameter copper bail passes through porcelain and around wire hole. Cadmium plated screw 21/4 inches

No. 1982—Wire Holders. Standard package 50. Weight per 100, 85 lbs. Per 100 .....\$25.00

#### HOUSE BRACKETS



Used mostly for house work or for circuits from house to garage. Are built sturdy and may be used where long drop lines are installed. All parts hot galvanized prior to assembly.

No. 1202—Two insulators having 8 inch spacing. Base length 11½ inches overall. Standard package 25. Weight per 100, 190 pounds. Per 100 .....\$100.00

No. 1203-Three insulators having 8 inch spacings. Base length 191/2 inches overall. Standard package 25. Weight, per 100, 300 pounds. Per 100......\$150.00

## SECONDARY RACKS Regular Weight



Secondary Racks designed to meet all the requirements for Secondary work. They are durable, rigid. Hot galvanized to prevent rust.

Size porcelain insulators 21/4 inches diameter by 21/8 inches wide with 11/s inch groove. Insulator bolt size 1/2 inch round.

No. 2002—2 Insulator type having 8-inch spacing. Overall length 16 inches. Weight per 100 with Insulator, 390 pounds. Per 100 including insulators ..........\$125.00 5 in a bundle.

No. 2003—3 Insulator Type having 8-inch spacing. Overall length 24 inches. Weight per 100 with insulators, 580 pounds. Per 100 including insulators ......\$180.00 5 in a bundle.

No. 2004-4 Insulator type having 8 inch spacing. Overall length 33% inches. Weight per 100 with insulators, 984 pounds. Per 100 including insulators ......\$200.00 5 in a bundle.

#### TELEPHONE AND TELEGRAPH WIRE TELEPHONE AND TELEGRAPH WIRE Famica mannanca amanda amanan ika manna amanan ika manna amana amana amana amana amana amana amana amana amana



There are three grades There are three grades of galvanized wire, classified as follows: Extra Best Best (E. B. B.), Best Best (B. B.) and Steel. Specify grade desired.

Extra Best Best (E. B. B.) wire is made from a special stock of great purity.

stock of great purity, produc-ing wire of absolutely uniform

ing wire of absolutely uniform quality, in which the elements of softness and elongation are combined with low electrical resistance to a marked degree. It is largely employed in long lines or service where low electrical resistance is both desirable and necessary.

Best Best (B.B.) wire is made from a stock of high quality, producing a wire somewhat less uniform and of higher resistance than E. B. B., but of greater tensile strength.

Steel wire has a greater tensile strength than either E. B. B.

Steel wire has a greater tensile strength than either E. B. B. or B. B., but on account of its greater electrical resistance is not very generally used.

					Wt. in.		Per
B.W.G.	Dia. i	n. Approx	. break.	strain lbs.	Lbs. per	Bdls.	100
Gauge	Ins.	E.B.B.	B.B.	Steel	Mile	Mile	Lbs.
4	.238	2028	2271	2433	811	1/4	\$
6	.203	1475	1652	1770	590	1/2	
8	.165	975	1092	1170	390	1/6	
9	.148	785	879	942	314	1/4	
10	.134	645	722	774	258	1/4	
11	.120	515	577	618	206	1/4	
12	.109	425	476	510	170	3/4	
14	.083	247	277	297	99	36	

#### BRAIDED AND TWISTED



-For Inside Use-

Soft drawn copper wire rubber insulated, 3-32 inch wall braided with colored glazed cotton olive green, with colored tracer thread to distinguish the wires.

No. 19 B. & S.--Twisted pair. Weight per 1,000 feet, 20 lbs. Per 1000 feet .....\$27.00 In coils of 500 feet.

#### BRAIDED TWISTED AND SATURATED -For Outside Use-

Hard drawn copper wire, rubber insulated 7-64 inch wall or 18, braided with raised tracer thread in one wire, weatherproof finish.

No. 18 B. & S .- Twisted pair. Weight per 1,000 ft., 29 lbs. Per 1,000 feet ... ....\$33.00 In coils of 500 feet.

#### STANDARD GALVANIZED STEEL STRAND



For guys, signal strand, trolley line span wire and other purposes. Composed of seven wires twisted together. We carry both single and double galvanized strand.

Wt., per 1,000 Ap. Break. Price per Diameter Ft. in Lbs. Strain in Lbs. 1,000 Ft. 1/4-inch 510 8,500 %-inch 5.000 -inch 3,800 14-inch 2,300

When ordering, specify whether single or double galvanized strand is wanted.

MINNEAPOLIS IS YOUR

BEST MARKET

YOUR MAIL ORDERS

WILL RECEIVE OUR

PROMPT ATTENTION

### WOOD CROSSARMS

FIR



### STANDARD ARMS

Size 31/4 x41/4 inches—Bored for 11/2 in. Pins; 1-1/8 in. Machine Bolt and 2-1/8 in. Brace Bolts.

Length	Number	St	andard Spaci	ngs		Use Length	Weight	Price
Feet	of Pins	Center	Side	End	Brace	Brace	per 100 lbs.	per 100
3	2	28		4	25	20	1062	\$105.00
4	4	16	12	4	28	22	1416	140.00
5	4	18	17	4	28	22	1770	175.00
6	4				**		2125	175.00

### PONY TELEPHONE ARMS

Size 2¾x3¾ in. Bored for 1¼ in. Pins; 1—5% in. Machine Bolt and 2—% in. Brace Bolts.

Length	Number	St	andard Spaci	ngs		Use Length	Weight	Price
Feet	of Pins	Center	Side	End	Brace	Brace	per 100 lbs.	per 100
2	2	17		31/2			540	\$ 55.00
21/2	2	23		31/2		4.	675	68.00
3	2	29		31/2	25	20	810	82.00
31/2	4	16	91/2	31/2	28	22	945	112.00
5 1/6	6	16	9 3/4	31/2	28	22	1395	165.00

### WOOD CROSS ARM PINS



Standard Locust Pins, Unpainted.

Approx. No. per bag 400 250

ize,

nches

14×8

14x9

Approx. Wt., per 100 lbs. 300 450

Price per 1,000 \$44.60 68.00

### WOOD INSULATOR BRACKETS



Oak Brackets, Painted.

Size, inches 1½x2x12 1½x2x10 No. 1 No. 4

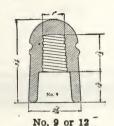
Standard Approx. wt. package 25 per 1,000 25

600

500

Price per 1,000 \$46.00

### INSULATORS, ETC.



	Height	Diam.
	In.	In.
No. 9-Pony(Teleph	ione) 3%	21/4
No. 12-Double Groove Pony. (Teleph		2%

Groove In.	Standard Package	Weight Per 1000 lbs.	Per 1000		
3/8	50	600	\$119.70		
3/8 Top1/4 Bot.	50	700	152.72		

### FLAT CROSS ARM BRACES

### 132x32-inch Hot Galvanized Braces

		Inches	Weight Lbs. Per 100	Per 100
No.	7020 7024 7028	20 24 28	$142 \\ 170 \\ 198$	\$26.00 30.00 36.00
No.	7032	32	230	40.00

### GALVANIZED LAG SCREWS

Wood Screw Thread-Galvanized.



3/8 x 2 1/2 — Per																
3/8 x 3 —Per																
3/8x31/2-Per																
3/8 x 4 —Per																
1/2 x 2 1/2 — Per																
1/2 <b>x3</b> —Per																
1/2 x 3 1/2 — Per																
1/2 x 4 — Per	100		 	 						٠,			٠		7.50	)

### GALVANIZED MACHINE BOLTS

Square Heads, Square Nuts and Finished Points-Hot Galvanized



	Standard	Crossarm	or Thro	ugh Bolt	
Size.	Wt., per	Per ,	Size,	Wt., per	Per
Inches	C, lbs.	100	Inches	C, lbs.	100
1/2× 8	53	\$14.00	5/8x 8	86	\$19.00
1/2×10	64	16.00	5/8×10	102	21.00
1/2×12	74	19.00	5/8×12	118	24.00

### GALVANIZED WASHERS





### Round Washer.

	Dia. Ins.	Hole Ins.	For Bolt	Per 100
No. 108	4 1	16	3/8 Mach.	\$0.80
No. 108	5 11/4	9	½ Mach.	1.00
No. 108	8 13/4	11	5/8 Mach.	2.80
No. 108	9 2	13	34 Mach.	3.60

### Square Washer.

	Dia. Ins.	Hole Ins.	For Bolt	Per 100
No. 1073	2x2x1/8	9	½ Mach.	\$3.60
No. 1075	$2\frac{1}{4}x2\frac{1}{4}x\frac{3}{16}$	116	5/8 Mach.	5.00
No. 1076	$2\frac{1}{4}x2\frac{1}{4}x\frac{3}{16}$	18	¾ Mach.	5.00

### GALVANIZED CARRIAGE BOLTS

Hot Galvanized.



3/8×3	-inches—Per	100	
			3.80
			4.20
			6.40
			6.80
			7.20
			8.20
			9.20

### ELECTRIC FENCER Red Devil



transparent, safe Hermetically Sealed Electric Fencer that will run current through over 14 miles of single wire fence from one 6 volt battery.

Satisfactory in temperatures ranging from 45° below zero to 120° in the shade.

All materials used in the construction are the best obtainable-silver contact points, approved wire connections, switches, etc. Every unit is tested under water.

No. 333-Red Devil Electric Fencer. One to carton. Weight 6 pounds. Each .....\$10.95 Dep't-2



Uses same mechanism as No. 333 Fencer. Built-in battery compartment with padlock hasp makes possible tamper-proof operating switch located on inside. Ammeter and button for testing battery and fence line, locating short-circuits, etc. Faster timer action saves current, prolongs battery life. Eliminates need for conventional "weather switches," making adjustments for wet or dry weather unnecessary.

All working parts are hermetically sealed. Can be set up either indoors or outdoors. It operates up to 15 miles of single wire fence, using any standard 6-volt "hotshot" battery. Equipped with lightning arrester.

Non-radio interfering.

No. 334-Red Devil Fencer. One to carton. Weight, 8 lbs. Each...\$14.95 Dep't-2

### AT YOUR SERVICE.

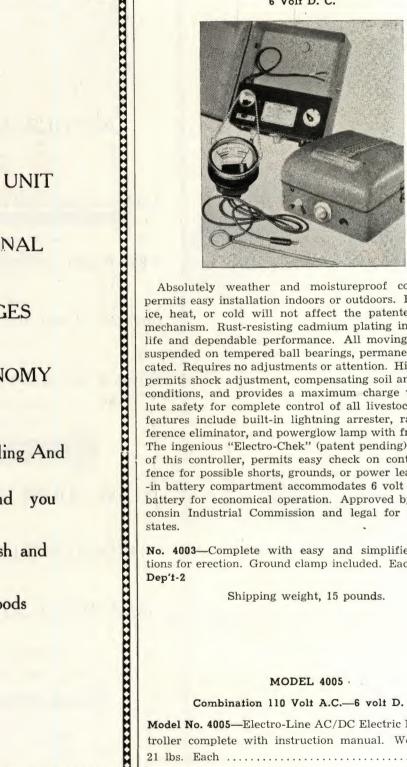
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Our knowledge and experience is always at your command, and a word from you at any time will bring aid in solving your problems.

YOUR PHONE AND MAIL ORDERS WILL RECEIVE IMMEDIATE ATTENTION

### ELECTRO-LINE ELECTRIC FENCE CONTROLLERS

MODEL NO. 4003 6 Volt D. C.



Absolutely weather and moisture proof construction permits easy installation indoors or outdoors. Rain, sleet, ice, heat, or cold will not affect the patented charger mechanism. Rust-resisting cadmium plating insures long life and dependable performance. All moving parts are suspended on tempered ball bearings, permanently lubricated. Requires no adjustments or attention. Hi-Lo switch permits shock adjustment, compensating soil and weather conditions, and provides a maximum charge with absolute safety for complete control of all livestock. Special features include built-in lightning arrester, radio interference eliminator, and powerglow lamp with fresnal lens. The ingenious "Electro-Chek" (patent pending), a feature of this controller, permits easy check on controller and fence for possible shorts, grounds, or power leaks. Built--in battery compartment accommodates 6 volt "hot shot" battery for economical operation. Approved by the Wisconsin Industrial Commission and legal for use in all states.

No. 4003-Complete with easy and simplified instructions for erection. Ground clamp included. Each...\$22.50 Dep't-2

Shipping weight, 15 pounds.

TO BUY IN UNIT

\*

OR ORIGINAL

**PACKAGES** 

IT IS ECONOMY

It Saves Handling And

Breakage, and

Receive Fresh and

Clean Goods

#### MODEL 4005

Combination 110 Volt A.C .- 6 volt D. C.

Model No. 4005-Electro-Line AC/DC Electric Fence Controller complete with instruction manual. Weight each, 21 lbs. Each ......\$24.50

Dep't-2

### ELECTRO LINE FENCE CONTROLLERS

ECLIPSE ELECTRIC FENCE CONTROLLER Model No. 4002—6 Volt D. C.



The new Eclipse controller is a compactly designed unit completely weatherproof for indoor or outdoor installation. Built-in battery compartment accommodates 6 volt "hot shot" battery. Accurate check meter shows condition of battery at all times. Heavy cadmium plating gives rust protection to all mechanical parts. No adjustments necessary. Charger unit permanently lubricated and sealed at factory for your protection. Sturdy pressed steel cabinet is finished in scratch-resisting baked enamel for lasting appearance and durability. New built-in Electrostart and power surge glow lamp with fresnal lens. Hi-Low soil compensating switch, radio interference eliminator, and built-in lightning arrester. Approved by the Wisconsin Industrial Commission and legal for use in all states.



CHALLENGER ELECTRIC FENCE CONTROLLER Model No. 4001—6 Volt D. C.



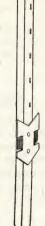
This bantam controller is compact and rugged. The steel case is finished in scratch-resisting baked enamel. Delivers a strong, sure shock for complete control of horses, cows, pigs, sheep, and other farm animals. Indoor installation. All mechanical parts made rust-resisting by special heavy cadmium plating. Built-in lightning arrester and radio interference eliminator. Permanently lubricated and adjusted. Charger mechanism sealed at factory for your protection. This dependable and safe controller has the approval of the Wisconsin Industrial Commission and is legal for use in all states.

No. 4001—Complete with instruction manual. Ground clamp included. Shipping weight, 6 lbs. Each....\$10.95

### LIGHT WEIGHT ANGLE STEEL POSTS FOR ELECTRIC FENCE

These are light weight posts to be used for Electric Fence only. Insulators can be bolted to posts at suitable heights. Length only 4½ feet. Size 1 inch by 1 inch by ½ inch angle iron. Anchor of large triangular plate 8 inches wide at top, 3¾ inches deep by ⅓ inch thick; top of anchor 12 inches above bottom of post. Posts are punched with ten 5-16 inch holes on 4 inch centers, bottom hole only 4 inches above anchor; top hole 2 inches from top.

Packed five posts to a bundle.



### ELECTRIC FENCE INSULATORS



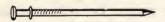
No. 58—Size 178 inches long by 11/8 inches diameter glazed porcelain insulators. Packed 100 to carton and 500 to standard package. Weight per 1,000, 94 pounds. Per 1,000...\$12.75



#### CORNER POST INSULATORS



### DOUBLE HEAD NAILS



No. 10D.H.—Bright Double Head Nails. Size 3-inches overall. 9 gauge. Length under double head 25% inches. About 62 nails to pound. Per lb..\$0.15 No. 16DH—Bright double head nails. Size 3½ inches overall. Length under double head 3 inches. 8 gauge. About 44 nails to lb. Per lb...\$0.15 Also see page 354R

### **ELECTRIC FENCE DEVICES**

#### LEATHER WASHERS



No. 100—Leather washers for use with electric fence insulators. Packed 100 to a package. Per pkg. . . . . \$0.12

No. 800—Leather washers. Packed one pound to a package. About 800 count to package. Per package. \$0.60

#### KWIK KLIPS

Modern Electric Fencing Includes



The quickest, easiest and best way of fastening fence wire to insulators. Fastens like safety-pin.

Standard type for any type knob approximately ¾ inch diameter at the bottom of wire groove.

#### TWISTITES



The quickest and easiest way of fastening insulators to any standard type steel fence post—punched or not punched. The triangular shaped head affords maximum resistance to collapse. Made of No. 14 galvanized wire.

#### KWIK GATES

## COOLUMN TO

Improved Kwik Gate handle is made of hardwood thoroughly impregnated with plastic veneer. This makes the insulation from shock many times better than just plain wood painted. Also makes the handle last several times longer for outdoor use. Completely self contained with full sized spring fastened inside handle. Orange colored finish end and galvanized metal parts.

No. K. G.—Kwik Gates. Packed 10 to a carton. Weight per 100, 40 pounds Each \$0.30

### HANDY GATES

HANDY GATE



No. H.G.—Similar to Kwik Gate excepting not impregnated with plastic veneer. Red enamel finish handle Galvanized metal parts. Packed 10 to a cart. Wt. per 100, 30 lbs. Each. \$0.21



## FIXTURES

designed for



# LIGHT CONDITIONING—SCIENCE'S NEWEST GIFT TO THE EYES

In Light Conditioning your home use the same basic principle that Mother Nature used in lighting the earth.

For general illumination use the well designed overhead lighting fixtures illustrated on the following pages. You will be well pleased with the Decorative Lighting Distinction contributed by all Virden Value Fixtures and best of all, their moderate prices bring artistic lighting within easy reach of the most modest budget.

### ELECTRIC FIXTURES The Tiffany Series

### FINISH: SHELL IVORY AND GOLD

An imposing group of fixtures ultra modern in their practical lighting performances but styled with the popular colonial candlewick motif on the fired finish shades and crystal center structure.



Finish: Shell Ivory and Gold with Crystal Trim. Equipped with bottom switch to light two, three or five light. Each.....

No. V-541—One Light Hall Fixture. Spread 6¼ inches. Overall length 36 inches. Packed individually, 6 to case. Finish: Shell Ivory and Gold. Each.....

### The Tiffany Series

### FINISH: SHELL IVORY AND GOLD WITH CRYSTAL TRIM



No. V-503—3 Light Fixture. Spread 17 inches. Overall length 36 inches. Packed individually, 4 to unit. Finish: Shell Ivory and Gold with Crystal Trim. Equipped with On and Off switch

Each .....\$11.50

No. V-523—3 Light Ceiling Fixture. Spread 17 inches. Length overall 15 inches. Packed individually, 4 to unit. Finish: Shell Ivory and Gold with Crystal Trim.

Each .....\$10.66

No. V-525—5 Light Fixture. Spread 19 inches. Length overall 15 inches. Packed individually, 4 to unit. Finish: Shell Ivory and Gold with Crystal Trim. Each...\$13.48

No. V-541—1 Light Hall Fixture. Spread 6¼ inches. Overall length 36 inches. Packed individually, 6 to case. Finish: Shell Ivory and Gold. Each .........\$5.32

No. V-501—1 Light Bracket. Backplate 9 x °4½ inches. Extension 6 inches. Packed individually, 12 to case. Finish: Shell Ivory and Gold.

Each .....\$3.22

### ELECTRIC FIXTURES The Shelburne Series

### FINISH: LIGHT IVORY AND GOLD WITH CRYSTAL TRIM

The Shelburne Series is unquestionably one of the greatest values we have ever offered. It combines real beauty of design with sterling quality of semi-indirect lighting. The light is directed upward to be reflected and diffused from the ceiling while through the wrought glass bottom an excellent light is cast downward. Never have these qualities been combined at so low a cost.



No. V-2126—Same as No. V-2116 except ceiling type. Depth overall 13½ inches. Spread 16 inches. One light fixture. 200 Watt capacity. Packed individually, 4 to unit. Finish: Light Ivory and Gold with Crystal Trim. Each. \$6.3

### ELECTRIC FIXTURES The Meredith Series

### FINISH: IVORY AND BRASS WITH CRYSTAL

The Diffusing Glass Bowls are in Ivory with Crystal Highlighted Relief.

These beautiful pieces, while Colonial in nature of their design, are truly as modern as tomorrow in their superlative lighting quality. You may well be proud to install the Meredith designs in your charming home.



- No. V-1942—Same as No. V-1946, except ceiling type. Spread 12 inches. Depth 5 inches. 80 Watt capacity. Each..8.04

### The Meredith Series

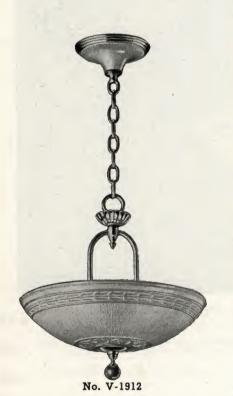
FINISH: IVORY AND BRASS WITH CRYSTAL



No. V-7041IG—Finish: Ivory and Gold. Ivory and Gold Glass Bottom. 1 Light fixture. 150 watt capacity. 12 inch spread. Depth overall, 13½ ins. Packed individually. Each .........\$5.32

No. V-1912—Length overall 36 inches. Spread 12 inches. 120 Watt Capacity. Packed individually with Glassware, 4 to unit. Each . . . . . \$9.04

No. V-1926—Overall length 13½ inches. Spread 16 inches. 300 Watt Capacity. Packed individually with Glassware, 4 to unit. Each . . . . . . \$12.26





No. V-1911

### **ELECTRIC FIXTURES** The Hampden Series

### FINISH: IVORY WITH GOLD AND CRYSTAL TRIM

A series of dainty fixtures charmingly feminine in their styling combined with which our designers have achieved an extraordinarily beautiful lighting effect. Delicately chased gold finished metal rings adorn the ivory glass shades which diffuse the light according to modern sight-saving



No. V-4535—Five Light Fixture. Spread 181/2 inches. Length overall, 36 inches. Packed individually, 4 to 

No. V-4501—One Light Bracket Backplate. 4½ x 4½ inches Packed individually, 12 to case. Finish: Shell Ivory and Gold. Each.... 2.98

No. V-4541—One Light Hall Piece. Spread 61/4 inches. Drop 15 inches. Packed individually, 4 to case. Finish: Shell Ivory and Gold. Each....

### The Carleton Series

#### FINISH: IVORY AND GOLD WITH BOTTOM GLASS PLATE IN IVORY WITH GOLD LUSTRE BORDER

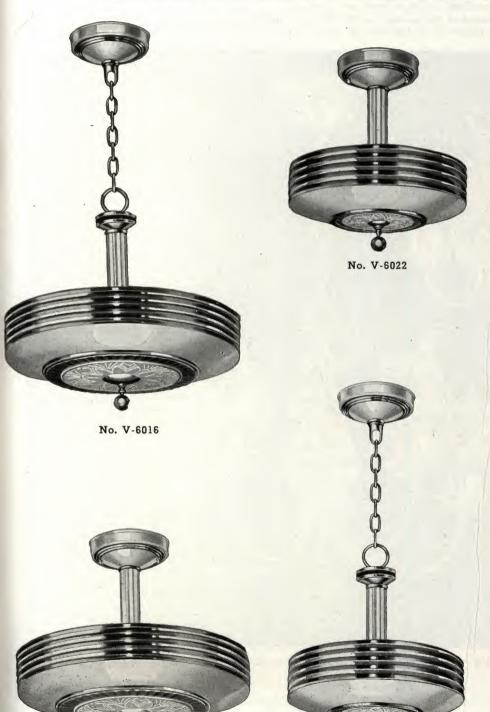
These beautiful units, of modern design, produce the highly desirable effect of Indirect Lighting combined with a softly diffused Direct Light through the decorative Glass Bottom. A Crystal Finial ornament adds an attractive finishing touch to the design.



### The Carleton Series

Finish: Ivory and Gold with Bottom Glass Plate in Ivory with Gold Lustre Border.

No. V-6012



No. V-6026

No. V-6012—Length overall 36 inches. Spread 12 inches. Two Light Fixture. 200 Watt Capacity. Senter switch turns light On or Off. Packed individually, 4 to unit.

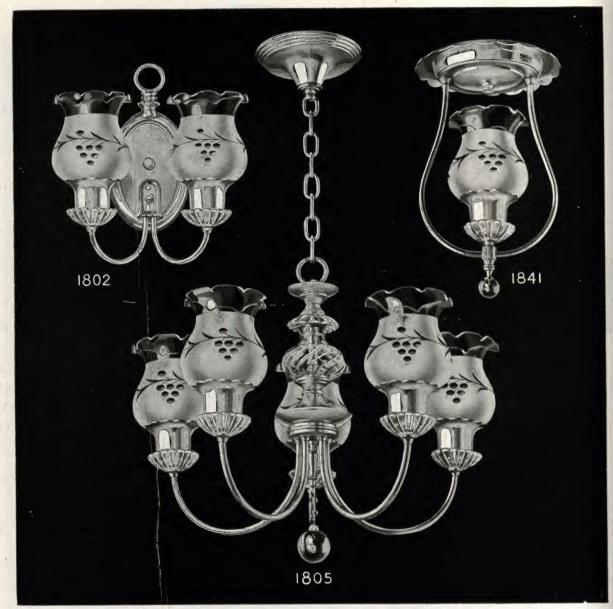
Each ......\$9.52

No. V-6026 — Depth overall 13½ inches. Spread 16 inches. Two Light Fixture. 300 Watt Capacity. Wired Keyless. Packed individually, 4 to unit. Each ...\$11.76

### The Brewster Series

FINISH: COLONIAL BRASS WITH CRYSTAL OR POLISHED CHROMIUM WITH CRYSTAL These lovely Period Designs will impart the finishing touch of delicate charm and graceful beauty to the Colonial surroundings in which they are installed.

Made from Solid Brass and ornamented with selected Crystals they have been finished and assembled by skilled artisans in a happy combination of feminine daintiness and permanent utility.



No.	V-1802—Backplate, 4½x8½ inches. Extension 6 inches. Packed individually with glassware, 6 to a case. Colonial Brass. Each	\$ 5.94
No.	V-1805—Spread 18 inches. Length 36 inches. Packed idividually with Glassware, 4 to unit. Colonial Brass. Each Chromium. Each	
No.	V-1841—Spread 6 inches, Length 12 inches, Packeed individually with Glassware. 60 watt capacity. 6 to Colonial Brass. Each	5.32

Specify Finish Desired.

### ELECTRIC FIXTURES The Brewster Series

FINISH: COLONIAL BRASS WITH CRYSTAL OR POLISHED CHROMIUM WITH CRYSTAL



No. V-1803—Spread 14 inch. Length 36 inches. Packed individually with Glassware, 4 to unit.

Colonial Brass. Each. \$11.76 Chromium ...... 12.88

No. V-1881—Spread 7¼ inch. Packed individually, 12 to case.

Colonial Brass. Each..\$1.86 Chromium. Each ..... 2.10

No. V-1801—1 Light Bracket Backplate 4½ x 8½ inches. Extension 6 inches. Packed individually with Glassware, 12 to case.

Colonial Brass. Each..\$3.96 Chromium. Each .... 4.58

No. V-2512-B — 100 Watt Capacity. Spread 12 inches. Length 36 inches. Metal Shade. Ivory Glass Globe. Packed individually, 4 to unit. Colonial Brass.

Each ......\$8.18

No. V-2516-B — 200 Watt Capacity. Spread 17 inches, 4 to unit. Colonial Brass.

Each .....\$10.64

No. V-2531 — Cylinder Lantern. One Light. Cylinder 5 x 6 inches. Crystal Etched Glass with Cut Design. Packed individually, 4 to unit.

Colonial Brass. Each .. \$8.66

No. V-1823—3 Light Fixture. Spread 14 inches. Length overall 15 inches. Packed individually with Glassware, 4 to unit.

Colonial brass. Each. \$11.50 Chromium. Each .... 12.62

### ELECTRIC FIXTURES The Middlesex Series

### FINISH: FORGED IRON WITH OLD BRASS

A new series of quaint designs embodying the character of their Early American antecedents and reminiscent of the whale-oil lamps and astral cut hurricane shades of pioneer New England fire sides.



No. V-2621—One Light Bracket. Extension 6½ inches. Backplate, 9 x 4¼ inches. Packed individually, 12 to case. Finish: Forged Iron and Brass. Each	5 4.46
No. V-2655—Five Light Fixture. Spread 20 inches. Length overall, 36 inches. Packed individually, 4 to unit. Finish: Forged Iron and Brass. Each	

No. V-2641—1 Light Hall Piece. Spread 6¾ inches. Drop 14 inches. Packed individually 4 to unit. Finish:

Forged Iron and Brass.....

FINISH: FORGED IRON AND BRASS



No. V-2655—5 Light Fixture. Spread 20 inches. Length 36 inches. Packed individually, 4 to unit. Finish: Forged Iron and Brass. Each.\$17.20

No. V-2653—3 Light Fixture. Spread 18 inches. Length 36 inches. Packed individually, 4 to unit. Finish: Forged Iron and Brass. Each .....\$13.48



No. V-1781



No. V-2653

### The Waverly Series FINISH AS LISTED

The glassware on the Waverly Series is finished in a rich two-tone Beige with Crystal highlight and trimmings, adding a sparkling effect to the beautiful diffusing quality which conforms to all the precepts of modern light conditioning.



No. J-2503—Three Light Fixture. 180 Watt Capacity. Spread 12½ inches. Overall length, 36 inches. Packed individually, 4 to unit. Finish: Suntint Bronze. Equipped with bottom on and off switch. Each......\$ 8.0

No. J-2523—Three Light Fixture. 180 Watt Capacity. Spread 12½ inches. Overall length, 10¾ inches. Packed individually, 4 to unit. Finish: Suntint Bronze. Each .....

No. J-1125—Overall length 1034 inches. Spread 1536 inches. 300 Watt Capacity. Five Light Fixture. Packed individually with Glassware, 4 to unit. Finish, Suntint. Bronze. Each.....

9.7

12.2

No. J-1105—Overall length 36 inches. Spread 15% inches. 300 Watt Capacity. Five Light Fixture. Packed individually with Glassware, 4 to unit. Finish: Suntint Bronze. Equipped with Bottom switch to light two, three or five lights. Each.

### ELECTRIC FIXTURES Colonial Odd Room Fixtures



No. J-2275



No. J-2285 No. J-2284



No. V-96



No. V-741





No. V-2261

No. V-701

No. J-2284—1 Light Fixture. 60 Watt Capacity. 6 inch Cut Dish. Packed individually, 6 to case. Finish: Colonial Brass. Each .........\$3.10

No. V-2241—Same as No. V-2261 except ceiling type. Length 14¼ ins. Each. .\$6.30

No. V-701—1 Light Bracket with Crystal Adapter. Backplate 4½ x 4½ inches. Extension 6 inches. Packed individually, 12 to case. Finish: Brass with Crystal.

Each .....\$2.24

### **ELECTRIC FIXTURES** The Glendale Series

### FINISHES: BRONZE AND CHROME OR IVORY AND GOLD

In the fixtures of the Glendale Series one finds all of the desired lighting qualities prescribed and recommended by leading lighting specialists but at a cost which brings them well within the reach of the most modest lighting budget.



No	v3023-IG—Finish: Ivory and Gold. Each
No	o. V-3023-BC—Finish: Bronze and Chrome. Spread 17 inches. Length overall 13 inches. 120 Watt Capacity. Packed individually, 4 to unit. Each
No	v-3035-IG—Finish: Ivory and Gold. Each
No	Spread 19 inches. Length overall 36 inches, 200 Watt Capacity. Packed individually, 4 to unit. The Bottom Turn Knob Switch controls two, three or five lights.
No	o. V-3001-IG—Finish: Ivory and Gold. Each
No	Backplate 434 x 434 inches. Extension 61/2 inches. 40 Watt Capacity with Canopy Switch. Packed individually 12 to case.

\$6.3 \$6.3 9.7 9.71

### The Glendale Series

FINISHES: IVORY AND GOLD OR BRONZE AND CHROME WITH IVORY GLASS SHADES



No. V-3033-IG No. V-3033-BC No. V-3041-BC No. V-3041-IG

#### No. V-3025-IG

Finish: Ivory and Gold. Each .....\$8.92

### No. V-3025-BC

### No. V-3001-IG

Finish: Ivory and Gold. Each .....\$2.60

### No. V-3001-BC

#### No. V-3023-IG

Finish: Ivory and Gold. Each ......\$6.30

#### No. V-3023-BC

### No. V-3033-IG

### No. V-3033-BC

### No. V-3041-IG

Finish: Ivory and Gold. Each ......\$3.60

### No. V-3041-BC-

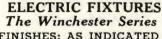
### The Winchester Series

### FINISH: COLONIAL BRASS WITH CRYSTAL

The Winchester Series sets a new high standard of beauty in its austere simplicity of design and Patrician styling. These fixtures are wrought entirely from Brass and their lustrous finish, protected by a heavy coat of lacquer, will endure indefinitely.



No.	V-3201—One Light Bracket Extension 7¼ inches. Backplate 5 x 5 inches. Packed individually, 12 to case. Finish: Colonial Brass. Each	3.2
No.	V-3202—Two Light Bracket. Extension 5 inches. Backplate 5 x 5 inches. Packed individually, 6 to case. Finish: Colonial Brass. Each	4.4
No.	V-3203—Three Light Fixture. Spread 20 inches. Overall length 36 inches. Packed individually, 4 to unit. Finish: Colonial Brass. Each.	10.7
No.	V-3205—Five Light Fixture. Spread 20 inches . Overall length 36 inches. Packed individually, 4 to unit. Finish: Colonial Brass. Each	13.1





No. V-2541—1 Light Fixture.

Overall length 36 inches.

Diameter of Shade 10 inches.

Packed individually, 4 to case. Finish: Colonial Brass with Mandarin Red Shade.

Each .................\$4.46

### ELECTRIC FIXTURES The Ashbury Series

### FINISH: ANTIQUE GOLD WITH COLOR WITH IVORYTONE GLASS

The Ashbury fixtures, generous in size and so economical in cost, meet perfectly the standards of the Better Light - Better Sight program. The Wrought Glass pockets in Ivorytone finish cast the soft glareless light so vitally important to eyesight conservation.



No.	No. V-1423—Spread 15 inches. Length 11 inches.	180 Watt Capacity. Finish. Antique Gold and Color with
	Ivorytone Shades. Each	
-		

\$5.70

2.60

8.66

No.	V-1401—Extension 3½ i	nches. Height 10 i	inches. Wired	with turn switch.	60 Watt	Capacity. Finish:
	Antique Gold with I	Ivorytone Shades.	Each			

No.	V-1405—Spread 17 inches.	Length 36 inches.	300 Watt	Capacity.	Finish.	Antique	Gold	with	Color
	Ivorytone Shades. Ce	nter switch control	s two, three	e or five ligh	hts. Eac	h			

### The Ashbury Series

### FINISH: ANTIQUE GOLD AND COLOR—IVORYTONE SHADES



No. V-1425

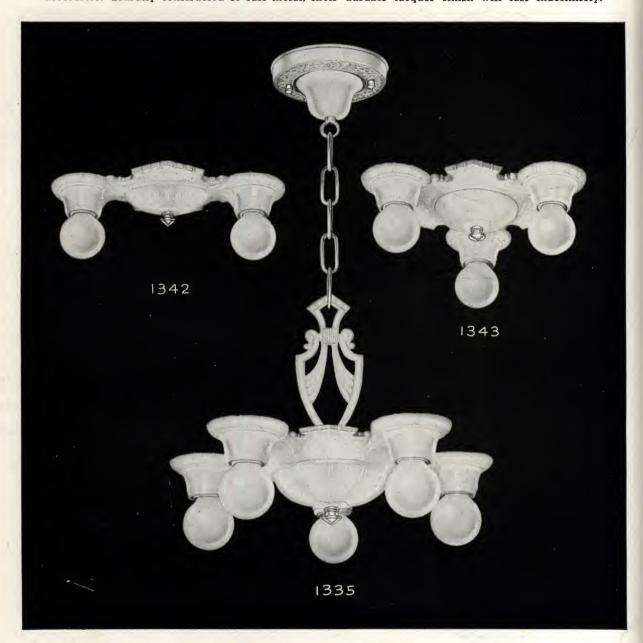


No. V-1403

### The Huntington Series

### FINISH: TONED IVORY AND GOLD

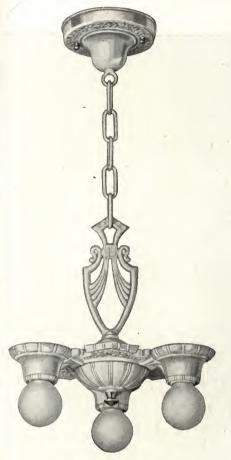
In these attractive pieces our designers have answered the wide demand for inexpensive yet nicely styled fixtures in a finish to match the light woodwork so generally used today by interior decorators. Sturdily constructed of cast metal, their durable lacquer finish will last indefinitely.



No.	V-1342—Depth	overall 31/4	inches.	Spread	12½ inche	es. Packed	individua	ally, 12 t	o case.	Each	\$1	.74
No.	V-1335—Length dividually,			-								.32
No.	V-1343—Depth											

### The Huntington Series

FINISH: TONED IVORY AND GOLD

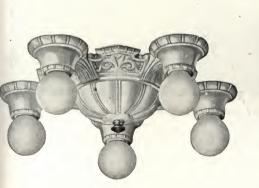


No. V-1333-3 Lt. No. V-1332-2 Lt.

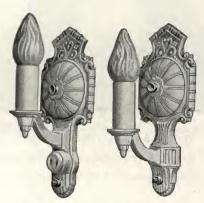




No. V-1302



No. V-1345



No. V-1307

No. V-1301

No. V-1333—Length overall 36 inches. Spread 12½ inches. Equipped with On and Off Switch. Packed individually, 6 to case.

Each .....\$4.20

No. V-1332—Length overall 36 inches Spread 12½ inches. Equipped with On and Off Switch. Packed individually, 6 to case.

Each .....\$3.58

No. V-1345 — Depth overall 4¼ inches. Spread 16 inches. Packed individually, 4 to case. Each . . . . . . \$3.56

No. V-1341—Diameter Canopy 7½ inches. Packed individually, 12 to case. Wired Complete. Each .....\$1.24

No. V-1302—Backplate 4½ x 10½ inches. Spread 8 inches. Packed individually, 12 to case. Each .......\$2.34

No. V-1307—Backplate 4½ x 10½ inches. Extension 4¾ inches. Wired with Convenience Outlet. Packed individually, 12 to case.

Each .....\$2.10

No. V-1301—Backplate 4½ x 10½ inches. Extension 4¾ inches. Packed individually, 12 to case. Each . . . . . \$1.74

### ELECTRIC FIXTURES The Aldersyde Series

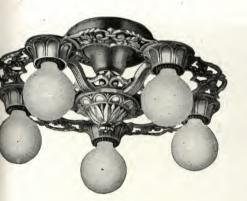
### FINISH: ANTIQUE GOLD WITH DELICATE TOUCHES OF COLOR

These fine large fixtures in an interesting design have been carefully lacquered to give a finish which will retain its prepossessing appearance for an indefinite period. In contrast to their remarkable quality the prices are appealingly low.



### The Aldersyde Series

### FINISH: ANTIQUE GOLD WITH DELICATE TOUCHES OF COLOR



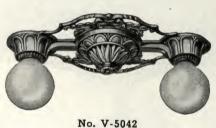
No. V-5025

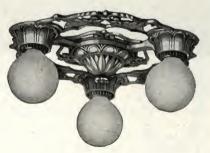


No. V-5001 No. V-5001-CO



No. V-5033-3 Lt. No. V-5032-2 Lt.





No. V-5043

No. V-5033—3 Light Fixture Length overall 36 inches. Spread 13 inches. Equipped with On and Off Switch. Packed individually, 6 to case. Finish: Antique Gold and Color. Each .....\$3.82

No. V-5032—2 Light Fixture. Length overall 36 inches. Spread 13 inches. Equipped with On and Off Switch. Packed individually, 6 to case. Finish: Antique Gold and Color. Each .....\$3.10

No. V-5042 — Depth overall 2¼ inches. Spread 13 inches. Packed individually, 6 to case. Finish: Antique Gold and Color. Each . . . . . \$1.98

No. V-5043 — Depth overall 2½ inches. Spread 13 inches. Packed individually, 6 to case. Finish: Antique Gold and Color. Each . . . . . \$2.48

### ELECTRIC FIXTURES The Brighton Series

### FINISHES: IVORY AND GOLD OR CHROMALUM

The Brighton Series symbolizes indirect and semi-indirect light that is so restful to the eyes. It fills the room with a pleasant inviting mellow light and it is more economical than poor light from antiquated fixtures.



No. V-1905-C—Spread 16 inches. Length overall 36 inches. 200 Watt Capacity. Packed individually, 4 to unit. Finish: Chromalum. Each
CITIES CITIES CONTRACTOR CONTRACT
No. V-1905-IG—Same as above. Finish: Ivory and Gold. Each
The state of the s
No. V-1901-C—Backplate 41/2 inches. Extension 63/4 inches. 60 Watt Capacity. Packed individually, 4 to
The visit of the state of the s
unit. Finish: Chromalum. Each
No. V-1901-IG—Same as above. Finish: Ivory and Gold. Each
No. V-1901-1G—Same as above. Finish: Ivory and Gold. Each
No. V-1935-IG—Spread 16 inches. Length overall 36 inches. 200 Watt Capacity. Packed individually with
No. V-1935-IG—Spread 16 inches. Length overall 36 inches. 200 watt Capacity. I acked individually with
Glassware, 4 to unit. Finish: Ivory and Gold. Each\$6.84
Glassware, 1 to unit. Finish, 1voly and Gold. Each
No. V-1935-C—Same as above. Finish: Chromalum. Each
No. V-1333-C—Same as above. Pinish. Chromatani. Bach.

### The Colonial Cottage Series

### EXCELLENT VALUES IN FINE LARGE FIXTURES



No. V-162-Spread 12 inches. Packed individually, 24 to case. Finish Antique Ivory .....\$1.48 No. V-352-Two Light Fixture. Ivory and Gold Finish with Ivory Glass Bottom Dish. 100 Watt Capacity Spread 12 inches, Packed individually, 4 to unit. Each ......\$5.32 No. V-331-Ivory Reflector with Mellowtone Glass Bottom. 100 Watt Capacity. Spread 10 inches. Packed individually, 6 to unit. Each .....\$1.98 No. V-163-Spread 12 inches, Packed individually, 12 to case. Finish Antique Ivory ......\$1.74 No. V-165-Spread 15 inches. Packed individually, 6 to case.

No. V-151 — Backplate 41/2

Wired with Canopy Switch,

.50

Finish

Finish

Stunning Bedroom Designs

Only by seeing them can these truly beautiful pieces and their amazing qualities be appreciated. The 306-08-10 are very appropriate for recreation or rumpus rooms, and any boy would be proud to have this sea-going fixture in his bedroom.



No. J-571-I—Ivory. Each. \$2.60
No. J-571-R—Rose. Each. 2.60
No. J-571-B—Blue. Each
<b>No. J-571-G</b> —Green. Each
No. J-571-C—French Crystal. Each
Ivory Holder. Glass 10" Spread. 100 Watt Capacity. Packed individually. Complete with Glass, 4 to case.
No. J-481-G—Greentint. Each \$2.48
No. J-481-P—Peachtint. Each
No. J-481-B—Bluetint. Each
No. J-481-M—Mellowtone. Each
No. J-481-F—Fawntint. Each
Ivory Holder. Glass 10" Spread. 100 Watt Capacity. Packed individually. Complete with Glass, 4 to case,
No.

No.	Spre	ead	Glass	Depth	Lights	Pkg.	
J-306	111	4"	6''	4 "	1	6	\$3.34
J-308	131	4"	8''	4 1/4"	2	6	4.08
J-310	151	4"	10"	4 1/4"	3	6	5.70
Maple	Finish on	the	Holder, Ivory	Glass with	Maple Trim	and Crystal	Bottom.

### **ELECTRIC FIXTURES** Kitchen and Bedroom Fixtures FINISHES AS LISTED





No. V-614

No. V-612





No. V-152-PC





No. V-1971







No. V-152



No. J-307

No. V-614-Chromium Holder. 4-inch Fitter. Wired Keyless. Opal Glass with Crystal Center. Etched Crystal Glass Circlet. 141/2 inch diameter. 150 Watt Capacity. Packed individually, 4 to unit. Each .....\$4.46

No. V-152-PC - Same as No. 152 with Pull-Chain. Each .....\$1.45

No. V-152-Spread 12 inches. Packed individually, 24 to case. Ivory Pastelle Finish. Each .....\$0.96

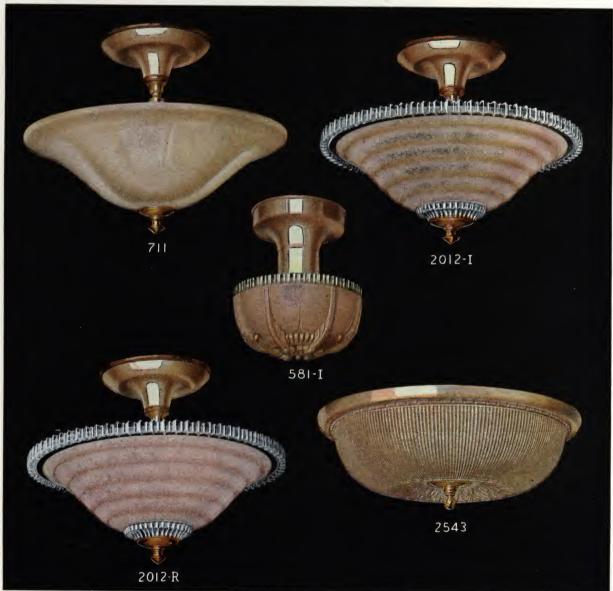
No. V-612-Chromium Holder. 21/4-inch Fitter. Wired Keyless. Opal Glass with Crystal Center, Etched Crystal Glass Circlet, 12-inch diameter. 100 Watt Capacity. Packed individually, 4 to unit. Each .....\$3.60

No. J-2941 - Depth overall 91/2 inches. Spread 71/2 inches. 60 Watt Capacity. Packed individually with Glassware, 12 to unit. Finish: Ivory and Gold. Each ......\$2.34

No. J-307-Ivory Holder Crystal Etched Glass. Spread 7½ inch. 60 Watt Capacity. Packed individually, 12 to case. Each .....\$1.60

### ELECTRIC FIXTURES Restful Bedroom Lighting

In selecting the lighting for a bedroom, it is important to consider qualities of tone and color which are complementary to the other furnishings of the room. The attractive pieces shown on this page have a wide range of decorations which have been discriminatingly selected to meet the approval of the most exacting taste.



No. J-711—Two Light Fixture. 150 Watt Capacity. Spread 12". Drop 10". Packed 4 to unit. Finish: Ivory
and Gold with Ivory Glass. Each
No. J-2012-I—Ivory Iced Glass, Each
No. J-2012-G—Green Iced Glass. Each
No. J-2012-B—Blue Iced Glass. Each. 7.30
No. J-2012-R—Rose Iced Glass. Each
NOTE—Above are Two light fixtures 150 watt capacity. Spread 12-ins., Drop 10-ins. Packed 4 to unit. Finish
Ivory and Gold.
No. J-581-R—Rose Glass. Each
No. J-581-B—Blue Glass. Each
No. J-581-G—Green Glass. Each.
No. J-581—Ivory. Each
Above are one light fixtures. 75 watt capacity. Spread 6½". Drop 7½". Packed 6 to case. Finish: Ivory.
No. J-2543—Three Light Fixture. Spread 12½". Packed 4 to unit. Finish: Ivory and Gold. Each 6.44

# ELECTRIC FIXTURES An Interesting Group of Colonial Pieces FINISHES AS SPECIFIED



No. J-2265—9"
No. J-2269—11"



No. J-2295—9" No. J-2299—11"



No. J-852-I No. J-852-R No. J-852-B No. J-852-C



No. J-2922



No. 1150



No. J-292-C



No. J-292-I No. J-292-O



No. J-2293-C No. J-2293-I

No. J-226	<b>55</b> —9 in	ches. 2	Lights	s. 80	Watt	Capac-
ity. Pac	ked ind	lividual	ly, 6	to	case.	Finish:
Colonial	Brass.	Each .				\$5.32

No. J-	<b>2269</b> —11	inches.	2	Lights.	150	Watt
Capaci	ty. Packe	d individ	dua	lly, 6 to	case.	Fin-
ish: Co	lonial Br	ass. Eac	ch			\$8.04

No. J-229	<b>5</b> —9 inc	ches. 2	Lights	s. 80	Watt	Capac-
ity. Pack						
Colonial	Brass.	Each				\$3.60

No. J-2299—11 inches. 2 Lights.	150 Watt
Capacity. Packed individually, 6 to	
ish: Colonial Brass. Each	\$5.07

No.	<b>J-852-I</b> —Ivory	Glass.	Each .	\$2.60
No.	J-852-R—Rose	Glass.	Each .	2.60
No.	<b>J852-B</b> —Blue (	Glass. I	Each	\$2.60
No.	J-852-C—Crysta	al Glass	s. Each	\$2.60

9 inch Ivory Ceiling Ring. Depth 434 inches.2 Light Fixture. Packed 6 to case.

No. J	-292-C-Colonial	Brass. Cu	t Shade.
Each			\$3,22

No. J-292-O—Chromium—Opal Glass.	
Each	\$2.6

No. J-2922-	Depth overal	1 111/2	ins. Sp	read
$12\frac{1}{2}$ inches.	150 watt car	pacity.	Packed	indi-
vidually with	Glassware.	Finish:	Ivory	and
Gold. Each				\$4.95

No.	J-29	2-I—Co	lonial	Brass	with	Ivory	Glass.
			g Ring.				
Pac	ked 6	to cas	e. Each	1			.\$2.60

No. J-2293-C-Colonial Brass with Cut Sh	ade.
Each\$	3.09

No. J-2293-I—Colonial Brass with Ivory Glas.	s.
Spread 7½ inches. Depth 5¾ inches. 60 Wat	
Capacity. Packed individually, 6 to case.	
Each	A

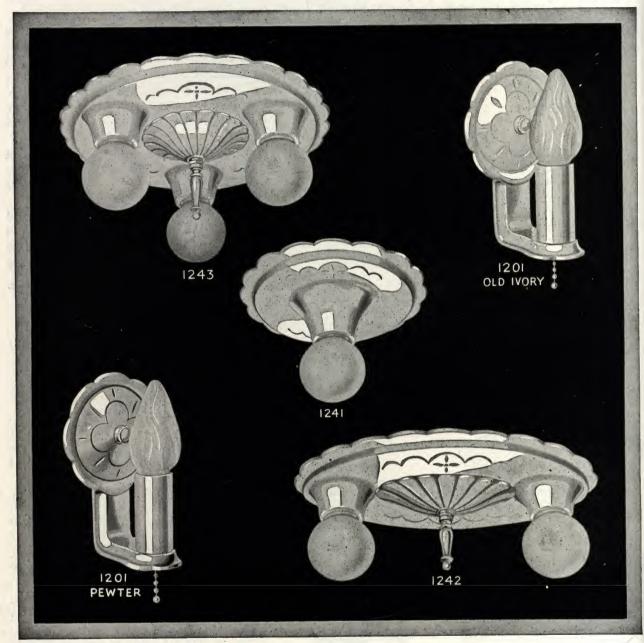
	To. 1150—The					
a	ble in beige, r	ose, w	hite and	blue	glass.	Hold-
e	r finished in i	vory.	Each			\$2.05

## The Antoinette Series

FINISH: OLD IVORY

Real value is represented in these dainty bedroom designs with their delicate tones of Old Ivory and the graceful contour of their lines.

UNDERWRITERS APPROVED



No. V-1243—Spread 10 inches. Packed individually. Old	Ivory. Each\$1.98
No. V-1241—Spread 7 inches. Packed individually. Old	I Ivory. Each 1.12
No. V-1201—Backplate 41/2x6 inches. Packed individually	. Wired Pull-Chain. Old Ivory. Each 1.36
No. V-1201-CO—Same as above except with Convenience ually. Old Ivory. Each	ce Outlet located under the Bracket Arm Packed individ-
No. V-1242—Spread 11 inches. Packed individually. Old	vory. Each 1.60

## Incidental Pieces for Bedrooms and Odd Rooms

#### INDIRECT AND SEMI-INDIRECT

What bedroom would not look more beautiful with one of these attractive and efficient units throwing its soft restful light into the furthest corners of the room. You can ill afford to be without good lighting particularly when it is made easily available to you at so reasonable a cost.



₹o.	J-231-C—Ivory Holder. Crystal Etched Glass. 75 Watt Capacity. Spread 9½ inches. Packed individually, 6 to case. Each	\$2 34
To.	J-471-C—Chromium Holder. Crystal Glass. 10 inch Spread. 100 Watt Capacity. Packed individually, 4 to case. Each.	
o.	V-872—Ivory and Gold Fixture. Ivory Iridescent Glass with Gold Stripes. Spread 12 inches. Depth 534 inches. Two Lights. 150 Watt Capacity. Packed individually, 4 to unit. Each	
o.	J-2922—Depth overall 11½ inches. Spread 12½ inches. 150 Watt Capacity. Packed individually with Glassware, 4 to unit. Finish: Ivory and Gold. Each	
o.	V-1981-IG—Total Indirect Fixture. Ivory and Gold Finish. 150 Watt Capacity. Spread 12 inches.	2 99

## **ELECTRIC FIXTURES** Smart Bedroom Styling

### SEMI-INDIRECT AND TOTAL INDIRECT LIGHTING

These lovely bedroom designs are available in a fine variety of colors in delicate pastel tones to match in perfect harmony the decorating scheme of your home.

The colors on all glassware are fired into the glass and will not fade, wash off or deteriorate.



No.	J-471-I—Ivory Tint. Each	\$1.9
T.T.	I 471 C Croon Tint Fach	1.9
NIO	TATI D Page Tint Fach	1.3
No.	J-471-H—Honey. Each	1.9
	Ivory Holder. Glass 10" Spread. 100 Watt Capacity. Packed individually. Complete with Glass-	
	ware, 4 to case.	0.0
No.	J-461-I—Ivory Tint with Crystal Bottom. Each	2.0
No.	J-461-B—Blue Tint with Crystal Bottom. Each	2.0
No.	J-461-R—Rose Tint with Crystal Bottom. Each	4.0
	Ivory Holder. Glass 10" Spread. 100 Watt Capacity. Packed individually. Complete with Glass-	
	ware, 4 to case.	4 01
No.	V-1991—Spread 12". 150 Watt Capacity. Packed individually, 4 to unit. Finish: Ivory and Gold. Each	4.00

## ELECTRIC FIXTURES Rust-proof Outdoor Lanterns

The Welcoming Glow of an Attractive Lantern Reflects the Hospitality awaiting within the Home.



No. V-677-B

No. V-325

No. V-347 — Extension 6½ inches. Lantern 9 x 4¼ inches. Backplate 5 inches wide. Crystal Marine Globe, 4 to case. Finish: Antique Copper. Each . . . . . . \$3.96

No. V-325 — Length 1134 inches. Lantern 97/8 x 51/4 inches. Diameter Canopy 5 inches. Crystal Etched Glass, 4 to case. Finish: Antique Copper. Each ......\$4.21

No. V-977—Extension 1 inch. Lantern 7 x 5½ inches. Wired and packed individually, 4 to case. Finish. Forged Iron. Each ....\$6.03

No. V-327 — Extension 634 inches. Lantern 978 x 514 inches. Backplate 5 inches wide. Crystal Etched Glass, 4 to case. Finish: Antique Copper. Each . . . . . \$4.46

No. V-677-B—Lantern Cage 5 x 5½ inches. Length 10¾ inches. Extension 5 inches. Cast Aluminum and Brass. Antique Crystal Panels. Packed individually, 4 to case. Finish: Black. Each .......\$5.32

No. V-345 — Length 10% inches. Lantern 9 x 4½ inches. Diameter Canopy 5 inches. Crystal Marine Globe, 4 to case. Finish: Antique Copper. Each .....\$3.83

No. V-345

#### The Nine Hundred Series

#### FINISH: CHROME WITH IRIDESCENT COLOR GLASS.

Presenting an entire new feature in indirect lighting in crystal and chrome with an attractive indirect shade, far superior than any ordinary types of fixture, yet very reasonably priced. Center columns are genuine crystal glass.



# ELECTRIC FIXTURES FINISH: POLISHED BRASS







No. 330—3 lights. A beautiful 12½ inch semi-closeup fixture. Frosted glass with clear relief and crystal bottom ball. Length 6½ inches, diameter 13½ ins. Each...\$5.66



No. 381—3 lights. Decorative Ivory Glass dish with goldplated design. Filigree bottom plate enhanced with crystal ball. Diameter 13 inches. Length 7 inches. Each...\$6.76

# ELECTRIC FIXTURES The Town Crier Lanterns

Outdoor Lanterns, subjected as they are to win try snows and summer rains, should be carefully selected with an eye to durability as well as to decorative value. Into these pleasing designs have been built the unseen factors so necessary to withstand the acid test of weather. They are packed individually and wired complete.



No.	V-777—Backplate 4 inches. Extension 51/4 inches. Overall length 9 inches. Packed 4 to case. Made of	
		\$2.60
	Each	4.58
No.	V-347-B—Extension 6½ inches. Lantern 9 x 4¼ inches. Backplate 5 inches wide. 4 to case. Finish: Colonial Brass. Each	4.46
No.	V637—71/4 x 41/2 inches. Overall length 103/4 inches. Extension 4 inches. 6 to case. Made of Solid	
No.	Copper. Antique Crystal Panels. Finish: Bronze. Each	5.32
	4 to case. Finish: Colonial Brass. Brass and Black, Each	4.46
NO.	V-677-S—Lantern Cage 5 inches x 5½ inches. Length 10¾ inches. Extension 5 inches. Antique Crystal Panels. Packed 4 to case. Finish: Forged Iron. Each	5.32

## ELECTRIC FIXTURES Rustproof Outdoor Lanterns









No. V-997—Copper Rustproof Lantern. Extension 5½ inches overall. Length 8½ inches. Backplate 4 inches. Packed individually, 6 to case. Finish: Antique Copper. Each ....\$2.60





No. V-177—Made of Rustproof Iron.

Backplate 10 x 434 inches. Silver

Moss Glass Panels, 12 to case. Black

Enamel Finish. Each ........\$2.10





No. V-887 — Copper Rustproof Lantern. Backplate 4¾ inches. Extension 7½ inches. Overall length 10 inches. Packed individually, 6 to case. Finish: Antique Copper. Each ....\$2.97

## Commercial, Store and School Units

IF SEPARATE SWITCH CONTROL IS WANTED (LEVOLIER SWITCH) ADD \$1.50 EACH LIST.

COMPLETE, COMPACT, CONVENIENT



#### CEILING TYPE UNIT

Ceiling Holder. Statuary Bronze finish. Deep flanged canopy with knockout, off-set strap, lugs and screws. Wired with pig-tail porcelain receptacle. Medium Base.

		Lamp size	Size	Dia. glass	Lgth.	List
		Watts	Fitter	Size	Ov'I	Each
			Ins.	Ins.	Ins.	
No.	V34-4	100	4	10	103/4	\$2.12
No.	V-36-6	150	6	12	$12\frac{3}{4}$	3.27
No.	V-36-08	200	6	14	131/4	4.12
No.	V-36-10	300 -	6	16	151/4	5.45



#### PENDANT TYPE UNIT

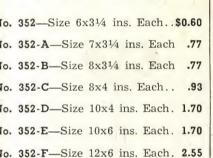
Pendant Type Holder. Statuary bronze finish. Deep flanged canopy with knock-out; 4-inch three-set-screw type holder; wired with medium base porcelain receptacle

	Lamp size Watts	Size Fitter Ins.	Dia. glass Size Ins.	Lgth. Ov'l Ins.	Lis Each
No. V45-4	100	4	10	421/4	\$2.48
No. V46-6	150	6	12	431/4	3.71
No. V46-08	200	6	14	441/2	4.56
No. V46-10	300	6	16	461/2	5.88

Staple Glassware HIGHEST QUALITY TENSOLITE



#### Nova White Glass Balls.





No. V-576 - Black line decoration. 31/4 inch fitter. 6-inch diameter. 21/4 dozen to a case. Each ......\$1.09



No. V-400—Half shade. Packed 3 dozen to a case. Each .....\$0.69



No. J-3502—Opal Bathroom Shade. 75 watt capacity. 21/4 inch fitter. Each.



No. J-3506-Open Bottom Shade. Fitter 21/4 inch. Diameter 61/2 inches. Depth 5% inches. Each .....\$0.92

#### I. E. S. LAMP SHADES



Standard milk white glass shades for use on the new types of I.E.S. student table and floor lamps.

Nos.	3308	3310
Diameter, ins	8	10
Fitter, inches	21/4	23/4
Each	\$1.14	\$1.80



#### SEMI-FLAT TYPE REFLECTORS

	Size ins.	Depth ins.	Fitter ins.	Packed doz. to case	Price Each
No. V-106	7	3	21/4	41/2	\$0.80
No. V-108	8	31/2	21/4	3	1.10
No. V-110	9	4	21/4	2	1.23
No. V-112	11	5	21/4	2	1.62



#### DEED TYPE BEFLECTOR

No. V-114 No. V-116

DELE-1	TEM TIME	LLCIO		
Size	Depth	Fitter	Pkd. Doz.	Price
ins.	ins.	ins.	to case	Each
6	$4\frac{1}{2}$	21/4		\$0.57
7	$5\frac{1}{2}$	21/4		.80

## COMMERCIAL GLASSWARE

Shadowless-Glareless



		Lamp Size Watts	Size ins.	Fit'r ins.	Depth ins.	Std. Pkg.	Price Each
No.	V-2	75	81/2	4	7	12	\$0.80
No.	V-4	100	10	4	$7\frac{1}{2}$	8	1.37
No.	V-6	150	12	6	8	4	2.52
No.	V-08	200	14	6	$9\frac{1}{2}$	2	3.30
No.	V-10	300	16	6	10	1	4.62

# Streamline Semi-Indirect Commercial Lighting Units. FOR STORE, OFFICE AND GENERAL COMMERCIAL LIGHTING



#### THE LIGHT CONDITIONER

No. Sp <b>J-419</b>	read F 19"		pth Ca		0.	Price \$4.46
J-414	14"	4" 71		150	4	2.84
771 1. 1	01	7 7 7	D 11	-		

Finish: Glass - Enameled Bottom, Fumed Top. Metal Louvre. Satin Aluminum with Polished Highlite.



THE BULL'S - EYE LIGHT CONDITIONER

No. Spread J-319 19" J-314 14"	Fitter 6" 4"	Depth 83%" 71⁄4"	Watt Capacity 300 150	Std. Pkg. 4 4	Price \$4.72 3.10		
Finish: Glass-Bull's-Eye Bottom, Fumed Top. Metal Louvre. Satin Aluminum with Polished Highlite.							

No. J-408 No. Std. No. Spread Depth Lights Pkg. Price J-406 6½" J-408 8½" 41/2" 6 \$2.60 41/2" 2 6 3.60 41/2" J-410 101/2" 3 6 5.32 Chromium Ceiling Holder. White Glass with 2 Clear Lines. Crystal Bull's-Eye Bottom. Illustrating the use of Light Conditioner Illustrating the use of Light Conditioner

Illustrating the use of Light Conditioner No. J-419 on Hanger No. V-156-C

No. V-661—Semi - indirect Wall Bracket. Backplate 5 inches. Spread 5½ inches. Extension 6¾ inches. 60 watt capacity. Opal glass-spun reflector. Packed individually, 12 to case. Chromium finish. Each . . . . \$3.60

llustrating the use of Light Conditions No. J-717 on Hanger No. V-156-C.

## Use the Criterion to Convert Old Lighting into New Without Installation Cost.

Replace old style globes with these stunning light-conditioning convertors. Take off the old globe and put on the Criterion. The effect is amazing. Use only inside frosted lamps with the Criterion Convertors.

#### Finish:

Metal Reflector: Satin Aluminum with Polished Highlights.

Glass: Enameled with Crystal Louvred Bottom.





Illustrating use of Criterion Converters with 156C hanger.

Illustrating use of Criterion Converters with 46C Hanger.



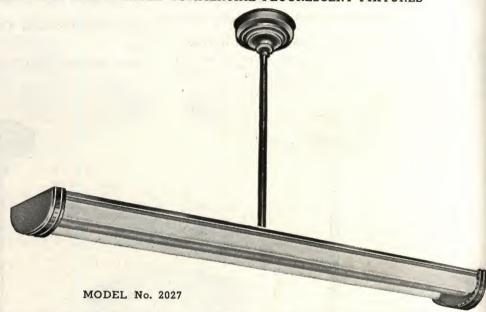


Each ......\$3.78

NOTE: Prices do not include hangers or holders—See pages 1988B and 1988C for these items.

## MITCHELL FLEUR-O-LIER TRIPLE LABEL COMMERCIAL FLUORESCENT FIXTURES

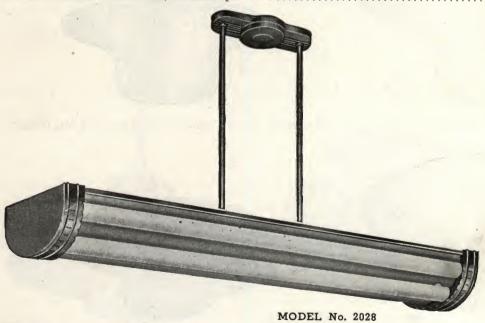
These sensational new MIT-CHELL Commercial Fluorescent Fixtures are priced for the mass market. Stores and offices everywhere can at reasonable cost convert to Fluorescent-the new modern type of lighting that is sweeping the country.



Employs two 40 watt 48" lamps. Contains Tulamp ballast of the latest approved type to correct power factor and abolish flicker. FS-4 starting switches included . . . Satin Aluminum finish on end plates. Ends easily removable for access to lampholders and starting switches. Reflector has chip-proof white enamel finish. Unit delivered completely wired, ready for hanging, including stem and canopy. . . Overall dimensions: Length 49", width 81%", height 414". Canopy 61/2" in diameter—314" deep. One 3%" I.P. stem 36" long supplied as standard equipment. Operates on 110 to 125 Volt, 60 Cycle, Alternating Current. Shipping Weight 32 lbs.

MODEL No. 2027. List Price, Less Lamps.....

..... \$20.95



Mitchell Triple - Labeled Fluorescent Fixtures conform to over 50 rigid specifications embracing lighting makes seeing easy.

Both fixtures illustrated are of modern design and will harmonize attractively efficiency, soundness of construction and electrical safety.

Ideally suited for relighting jobs, as well as for new installations. Wherever used, these fixtures will deliver a cool, high intensity light that is restful to the eyes, and in any store or office.

A real marvel in lighting effectiveness. Utilizes four 40 watt 48" lamps. Has approved type high power factor ballasts, type FS-4 replaceable starters . . . Metal ends finished in Satin Aluminum. Easily removable for access to lamps and starting switches. Reflector finished in chip-proof white enamel . . . Unit comes to you completely wired and ready for hanging, including stems and canopy . . Length overall 49". Width overall 10½". Height 5½". Canopy is 11¾" long, 5½" wide, 1½" deep. Two I.P. stems 36" long furnished as standard equipment. Operates on 110 to 125 Volt, 60 Cycle, Alternating Current. Shipping Weight 47 lbs. MODEL No. 2028. List Price, Less Lamps......\$34.50

LOW COST ALL-PURPOSE INDUSTRIAL UNIT USING TWO 20 WATT 24" FLUORESCENT LAMPS MODEL No. 2016 P. F.



DIMENSIONS: 24 inches long, 71/4 inches wide, 4 inches high. Price includes a pair of 8 foot hanging chains.

Furnished with Tulamp High-Power Factor (90% +) auxiliary ...

Here is a scientifically designed and carefully engineered Fluorescent unit which is instantly and readily adaptable for hundreds of commercial and industrial uses. Amazingly economical to operate because it uses only two T-12, 20 watt Fluorescent lamps. Floods of cool, efficient light of daylight quality are produced like magic. Just hang it up! Plug it in!

Equipped with latest type Underwriters' Approved ballasts and FS-2 replaceable starters. Quality construction throughout. Exterior finish of durable and attractive English Bronze. Heat treated aluminum finish reflector provides even light distribution.

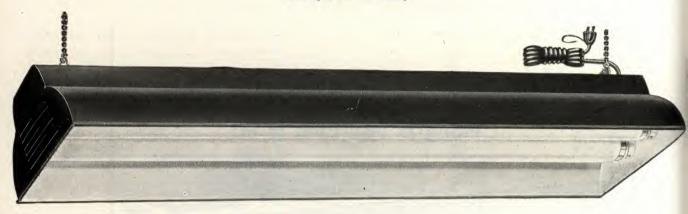
For use with TWO 24", 20 watt Fluorescent lamps. Operates on 110-120 volt—60 cycle alternating current only. Complete with hanging chains and 6 ft. rubber covered Approved cord and plug. Packed one to a carton. Shipping weight 7 lbs.

Fluorescent Fixtures, bearing the Fleur-o-lier Certification Label, are your guarantee of superiority because it testifies that each Unit has passed 50 rigid tests for electrical, mechanical and illuminating excellence.

List Price for Lamps		
MODEL No. 2016 P. F. Less Bulbs	#10.4F	

## AMERICAN INDUSTRY DEMANDS THE BEST AND MITCHELL ANSWERS WITH THIS NEW 200 WATT (2-100 WATT LAMPS) UNIT . . . HIGHEST INTENSITY FLUORESCENT FIXTURE EVER DEVELOPED!!

Sunlight for Industry



No. 2026

## TWICE THE LIGHT OUTPUT OF ANY PREVIOUS FLUORESCENT LAMP

The new MITCHELL super-industrial unit using two T-17, 100 watt fluorescent lamps is engineered to meet the demands of industry for higher levels of general illumination. By its use a given area can be properly illuminated with a fewer number of fixtures than previous types utilizing the smaller lamps. The vitreous porcelain finish reflector provides an even spread of light with a 13 degree angle cut-off.

DESCRIPTION: Unit measures 601/4" long, 171/2" deep, and 9%" high. Reflector and hood are strongly constructed of heavy gauge vitreous steel. Reflecting surface consists of three coats of white vitreous porcelain List Price (less bulbs.) Each ......

enamel. Outside finish is an attractive blue-black porcelain. Operating equipment includes newest type Tulamp High Power Factor ballast, stroboscopic corrected, with built in starting compensator. Lamp holders are new twist-turn mogul type. Easily accessible and replaceable type FS-6 starters. Knockouts are provided for conduit or BX installation. Completely wired with heavy duty cord and plug ready to install. Necessary hanging chains are included.

Individually packed. Shipping wt. 78 lbs.

MODEL 2026-A (110 to 125 volts AC) MODEL 2026-B (220 to 250 volts AC) UNDERWRITERS' APPROVED



#### LIGHTING DATA CHART

The table of foot-candle values shown below is furnished as a guide in determining levels of illumination. Values shown based on average conditions with two rows of units; also a room with four rows of units. Spacing between units should not exceed the mounting height above floor for a uniform level of illumination on the horizontal working plane.

Approximate	Mounting	Area Per		lles Under
Spacing	Height	Outlet	Average (	Conditions
9'x9'	9'	Sq. Ft.	Two Rows	Four Rows
10'x10'	10'	81	52	59
11'x11'	11'	100	42	46
12'x12'	12'	121	35	38
		144	28	32

List Price for Lamps......\$3.50 Each

#### MITCHELL TWO LAMP - - - ALL PURPOSE COMMERCIAL AND INDUSTRIAL UNIT



- TWO LAMPS (40 WATTS EACH)
- HIGH POWER FACTOR CORRECTED
- FIRED PORCELAIN REFLECTOR
- READY TO HANG UP AND PLUG IN

#### IDEAL FOR WINDOW LIGHTING, FACTORY LIGHTING

The MITCHELL Industrial Unit is rigidly and strongly constructed of heavy gauge steel throughout. The reflector is furnished in a fired porcelain white enamel which is very efficient, durable and easy to keep clean. The outside finish is an attractive Blue-Black baked enamel. Cartridge type lamp starters are located in lamp sockets and are easily removed. Underwriters' Approved "Tulamp" ballast reduces stroboscopic (flicker) to an absolute minimum, and corrects power factor to 95 to 99%. Current consumption of complete units is approximately 100 Watts.

The unit is complete with a pair of 8 ft, hanging chains, and a 6 ft, heavy rubber cord and plug. Grounding is accomplished by a separate lead running through the cord set. If necessary, wiring with a conduit or BX cable is easy because of "knockouts" provided.



Fluorescent Fixtures, bearing the Fleur-o-lier Certification Label, are your guarantee of superioritestifies that each Unit has passed trical, mechanical and 

MODEL No. 2010-A (110 to 120 Volts, 60 Cycle, A. C.) MODEL No. 2010-B (220 to 250 Volts, 60 Cycle, A. C.)

Dimensions of Unit: 60" long, 111/2" wide. Individually packed. Shipping weight 38 lbs.

#### PRESENTING THE ECONOMY FLUORESCENT KITCHEN UNIT Another Mitchell Sales Sensation



C. Tighten fitter screws.

In a moment's time, the old kitchen globe can be removed, and you can have this Fluorescent fixture up and operating. Enjoy the thrill of this modern new illumination.

Radically New Design Provides Even Up-and-Down Lighting . . . No Shadows on Ceiling

Yes, this newly designed MITCHELL lighting sensation will flood an entire kitchen with cool, high intensity daylight. Smart and modern streamlined design. You can install it in a jiffy in your present fixture holder.

Uses two T-12, 20-watt, 24" fluorescent lamps. Equipped with fitters for quick attachment to any standard 4" or 6" kitchen holder. Reflector is finished in durable high gloss white enamel. Quality built throughout with Underwriters' Approved ballasts and easily accessible Type FS-2 starters.

For operation on 110 to 125 volts, 60 cycle, A.C. Current. Individually packaged. Shipping weight 5¾ lbs.

MODEL No. 2052—Low Power Factor. List price, less bulbs.

\$7.95

Specify PF2052—High Power Factor. Less lamps.

11.45 Note: Public Utilities throughout the Northwest demand High Power Control Only.

# APPROVED FLEUR-O-LIER FLUORESCENT SHOW WINDOW UNITS FOR WINDOWS OF ALL SIZES AND DESCRIPTION



Model No. 2024 (Uses two 20 watt 24" lamps) Model No. 2023 (Uses two 40 watt 48" lamps)

Any show window can be transformed into a beautiful artistic merchandise display with these units. They are furnished completely wired and can be plugged into regular outlet.

Installation of one or more units can be made in a few moments' time. Can be mounted direct to ceiling or wall, or suspended by special chains which are furnished.

Placed end to end, or side by side, these units will flood a window with brilliant striking illumination.

#### MODEL NO. 2023

Overall length 491/8". Overall width 85%". Overall height 334". Uses two T-12 40 watt lamps. Equipped with high power factor ballasts and Type FS-4 replaceable starters. Operates on 110-125 volts, A. C. Individually packed. Shipping weight 21 pounds.

List Price, (less bulbs) ......\$19.95

#### MODEL NO. 2024

Overall length 251/8". Overall width 85%". Overall height 33/4". Uses two T-12 20 watt lamps. Equipped with high power factor ballasts and Type FS-2 replaceable starters. Operates on 110-125 volts, A. C. Individually packed. Shipping weight 121/2 pounds.

List price, (less bulbs) ......\$15.95



#### UNDERWRITERS' LABORATORY APPROVED

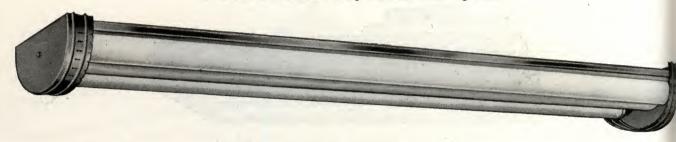
Units are constructed of heavy gauge steel durably finished in Satin Aluminum. Reflectors are of GENUINE ALZAK.

Holes on 2" centers permit surface mounting from top or sides. Furnished complete with special chains where angular hanging is desired. Knock-outs provided for conduit installation where necessary.

#### MITCHELL NOW OFFERS TWO SURFACE MOUNTING FLEUR-O-LIER FLUORESCENT FIXTURES

Greater Efficiency and Eye-Comfort for Ceiling Mounted Fluorescent Lighting

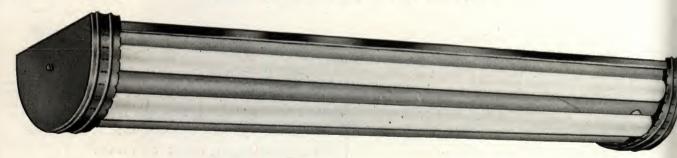
Model 2029 Mitchell 2-lamp Surface Mounting Unit



Uses two 40 watt 48" lamps. Equipped with latest Approved Tulamp Ballast to correct power factor and eliminate flicker. FS-4 starting switches included. Attractive Satin Aluminum finish on end plates. Ends easily removable for access to lampholders and starting switches. Chip-proof white enamel reflector. Unit is furnished completely wired, ready for installation. Overall dimensions: 49" long, 8½" wide, 4¼" high. Operates on 110 to 125 volts, 60 cycle alternating current. Shipping weight 21 lbs.

MODEL No. 2029. List Price, Less Lamps. \$19.9

#### Model 2030 Mitchell 4-lamp Surface Mounting Unit



Employs four 40 watt 48" lamps. Contains Tulamp Ballast of latest Approved type. High Power Factory and Stroboscopic (flicker) corrected. Type FS-4 replaceable Starters. Metal ends are finished in Satin Aluminum. Easily removable for cleaning and re-lamping. Reflector has a chip-proof white enamel finish. Unit delivered completely wired and ready for mounting. Length overall 49". Width overall 10½". Height 5½". Operates on 110 to 125 volts 60 cycle alternating current. Shipping weight 35 lbs.



FOR USE WITH TWO 20-WATT FLUORESCENT LAMPS!

This compact and streamlined Fluorescent fixture will be suitable and ideal for countless applications in stores and offices—even for residential, hotel and institutions. Utilizes two 20-Watt T-12 Fluorescent lamps.

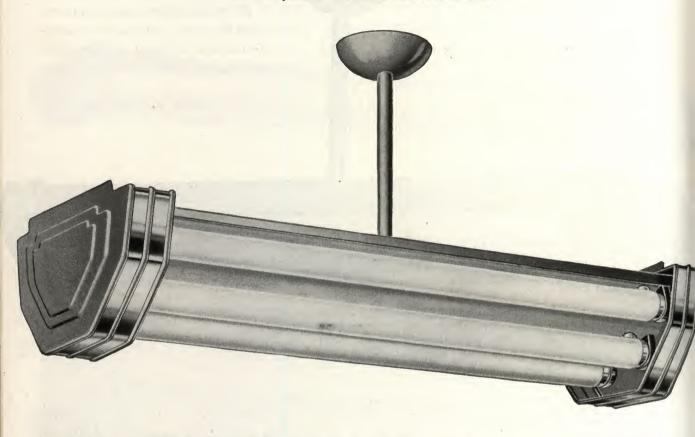
Quality built throughout for electrical, mechanical and illuminating excellence. Equipped with latest Approved type ballasts, and Type FS-2 replaceable starters. Reflector is glistening white chip-proof enamel. The at-

tractive ends are finished in Satin Aluminum with bands of highly polished chrome plate.

Length overall 25". Width overall  $8\frac{1}{2}$ ". Height (less stem and canopy)  $4\frac{1}{2}$ ". 5" diameter canopy.

Unit is furnished completely wired ready for hanging, including 24''x%'' I.P. stem and canopy. Shipping weight 12 lbs.

# ELECTRIC FIXTURES All-Purpose 100-Watt Fluorescent Unit



Here is an unparalleled opportunity for every store, office and commercial establishment to have the newest in lighting. This All-Purpose 100-Watt Fluorescent Unit can be installed in a jiffy anywhere.

All parts are included for installation with stem and canopy, or by using the adapter ring any type of glass globe fixture can be converted to modern fluorescent lighting. There is nothing else to buy because all parts are included for either type of installation.

Uses four T-12, 20 watt fluorescent lamps. Equipped with high-power-factor ballasts and latest type approved replaceable starters. Stroboscopic corrected. The metal ends are finished in Satin Aluminum, with highly polished Chrome plated trim. A streamlined beauty in every sense of the word. Reflector is of chip-proof white enamel.

Unit is furnished complete with fitter ring for 6-inch holder—ready to plug in, also 24-inch Cadmium plated stem and canopy where that type of installation is desired.

Operates on 110 to 125 Volt A.C. Individually packed. Shipping weight 22 pounds.

## VIRDEN FLUORESCENT FIXTURES

## The Outstanding Development For Commercial Installations

## NOTE THESE SPECIFICATIONS:

RE-LAMPING—Construction allows re-lamping from the top and does not require removal of any part of the fixture to accomplish this.

STARTER SWITCHES—Are removable without disturbing the lamps. They are readily accessible, located at one end of the fixture body directly over the lamps in such manner that they can be replaced with the greatest ease. MAINTENANCE—The lamps can be cleaned without removing them from the sockets as there are no superfluous obstructions in the way to force removal of lamps for cleaning. The high bake finish of the fixture is easily washed.

CEILING SHADOWS—Are completely eliminated because the light distributed in all directions makes for greater diffusion, elimination of shadows and a higher utilization of light in the interior to be illuminated.

SAFETY—The decorative and socket covers are so designed to prevent lamps from dropping out of the fixture under any circumstances. Lamps can only be removed from the top of the unit.

LAMP END BLACKENING—Is adequately concealed behind the perforated design of the decorative end socket covers.

UNDERWRITERS APPROVED—Inspected and approved fixtures carry the Underwriters label.

POWER FACTOR—Ballast equipment corrected to 90% power factor, or over, and so phased to reduce to a negligible minimum, stroboscopic or flicker effect.

CONSTRUCTION—All parts of these fixtures are made by accurate tools and dies assuring select quality and precision workmanship at all times.

FINISHES—Infra-red high bake methods insure hard, durable finishes impervious to dirt and handling under normal conditions and usage.

ADJUSTABLE STEMS—Allow for lengthening or shortening the fixture merely by adding or removing a section of the stem. No cutting or re-threading of the stems is necessary. Standard length pendants are furnished with 3 feet additional wire to allow for most additional lengthening conditions.

WIRED COMPLETE—Ready for installation, unless otherwise specified.

ELECTRICAL CIRCUITS—Standard wiring in these fluorescent fixtures allows for operation on 110-125 volt, 60 cycle alternating current.

# GUIDE FOR ESTIMATING NUMBER OF FIXTURES REQUIRED FOR 25, 50 AND 75 FOOTCANDLE INSTALLATIONS\*

### (Calculations based on White Mazda F Lamps)

	Roo	B-C		times		ight		Wi	dth 2 E-Cla				ht			Vidth- Class			
	E	-CLAS	SIF	ICAT	ION			E-C	LASS	IFI	CAT	ION	ī	]	H-CI	ASS	IFICA	ATI(	ON
Room Finish	Li	ght	_	N	Iediu	ım	]	Ligh	t		M	ediı	ım	I	igh	t	M	ediu	ım
Foot Candles	75 5	0 25		75	50	25	-75	50	25	-	75	50	25	75	50	25	75	50	25
			Squa	are F	eet I	er Fix	ture '	Го Р	roduc	e A	Abov	e F	ootcar	ndles	In S	Servic	e)		
No. 3640P (6-40W) No. 3440P (4-40W) No. 3240P (2-40W) No. 3420P (4-20W) No. 3220P (2-20W)	84 12 56 8 28 4 24 3 12 1	2 84 6 72		68 45 23 19 10	102 68 34 29 15	204 136 68 58 30	68 45 23 19 10	102 68 34 29 15	204 136 68 58 30		54 36 18 15 8	81 54 27 23 12	162 108 54 46 24	40   27   13   11   6	60 40 20 17 9	120 80 40 34 18	52 34 18 15 8	77 51 26 22 11	154 102 52 44 22
No. 5420P (4-20W) No. 5640P (6-40W) No. 5440P (4-40W) No. 5240P (2-40W)	66 9 44 6 22 3 19 2	6 132 3 66	4	51 34 17 14	74 49 25 21	148 98 50 42	56 37 19 16	83 55 28 24	166 110 56 48		42 28 14 12	63 42 21 18	126 84 42 36	32 21 11 9	47 31 16 14	94 62 32 28	41 27 14 12	62 41 21 18	124 82 42 36

<sup>\*</sup>Above Calculations based on White Mazda F Lamps. If Daylight Lamps are to be used, reduce Sq. Ft. Values 20%.

#### HOW TO USE THIS TABLE

- 1—Determine approximate room proportions and classify: (Room width x ceiling height)
- 2—Determine approximate room finish condition:

(Light or medium finish)

3—Determine total square feet to be lighted:

(Room width x room length)

- 4—Determine from above table square feet per fixture.
- 5—Divide total area to be lighted by square feet per fixture to arrive at total number of fixtures required.

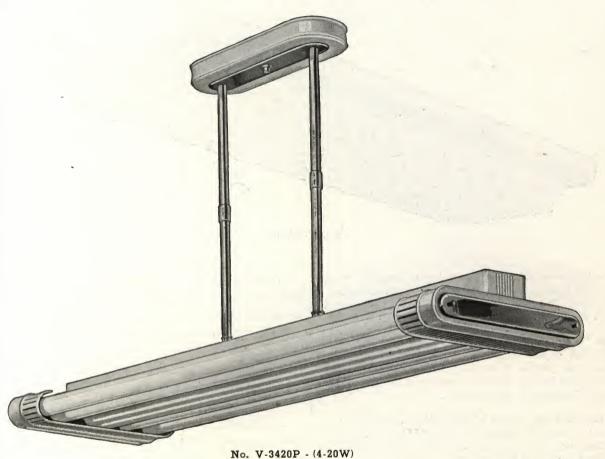
Note: The square feet per fixture provides the indication for spacing of units.

Example: 168 Sq. Ft. per fixture would indicate spacings in the order of 11' x 15'—12' x 12'—12' x 14'—13' x 13' etc.

## RECOMMENDED FOOTCANDLES FOR MODERN LIGHTING

	10-20	15-35	35-70	70-150	150-300	300-750
Offices and Schools	Conference Reception Auditoriums Cafeterias	Classrooms Casual Desk Work Filing Libraries	Bookkeeping Accounting Stenographic Sight-Saving Critical Desk Work	Drafting Business Machines	Color Work	
Stores	Stock Rooms	Circulation areas as Aisles—halls, lobbies, etc.	General Merchandis- ing	Show Windows Open Counter Displays Showcases Wall Cases	Show Windows Feature Displays	Show Windows - Spotlighting Feature Displays
Industrial	Loading Packing Shipping Washrooms	Rough Work Pressing Shearing General Processing Woodwork Foundry Work	General Fabrication and Assembly Sewing Spray Painting Typesetting Automatic Machining	Proofreading Machining Inspection Fine Assembly	Color Inspection Fine Inspection Extra Fine Assembly	Color - Identification

REMOVE NO PART OF THE FIXTURE TO RELAMP — REMOVE NO LAMPS TO REPLACE STARTER SWITCHES

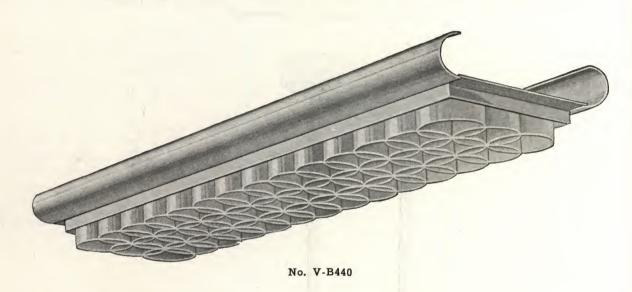


## THE VISUALITE SERIES FIXTURE SCHEDULE

Lamps	Catalog Number	Type	Body Size	Length Overall	Weight Packed	Price
2-20W	V-3220P	Pendant	8½" wide x 25" long	30''	153/4	\$15.93
2-20W	V-3220C	Ceiling	8½" wide x 25" long	51/4"	$14\frac{3}{4}$	14.82
4-20W	V-3420P	Pendant	15½" wide x 25" long	30''	21	25.95
4-20W	V-3420C	Ceiling	15½" wide x 25" long	51/4"	20	24.84
2-40W	V-3240P	Pendant	8½" wide x 49" long	30''	$31\frac{1}{2}$	22.42
2-40W	V-3240C	Ceiling	8½" wide x 49" long	51/4"	29	20.21
4-40W	V-3440P	Pendant	15½" wide x 49" long	30''	38	34.50
4-40W	V-3440C	Ceiling	15½" wide x 49" long	51/4"	361/2	33.25
6-40W	V-3640P	Pendant	21" wide x 49" long	30"	48	53.70
6-40W	V-3640C	Ceiling	21" wide x 49" long	51/4"	461/2	51.34

Standard catalog numbers are wired complete for 110-125 volt, 60 cycle alternating current only. Fixtures can be changed to shielded type at any time by using Fluorogrill Baffle shown on page 1978.

#### "FLUOROGRILL BAFFLE"



The "Fluorogrill" baffle is readily and easily applied to the bare lamp fixture any time after installation, without the use of tools or complicated mechanical means, to connect the bare lamp installation to a shielded one.

The "Fluorogrill" baffle consists of a light weight plastic ring design supported by a metal frame with attached side panels of formed Urea laminated plastic. Unusual light weight presents a safety factor and makes for easy handling for maintenance.

Re-lamping the fixture is accomplished by merely removing the lamps from the open top of the unit without disturbing or removing the decorative "Fluorogrill" or end socket covers of the fixture.

Warping, buckling or discoloration of the plastic material used in the "Fluorogrill" baffle does not occur under normal conditions. The heat from the fixture or atmospheric conditions will not affect this plastic.

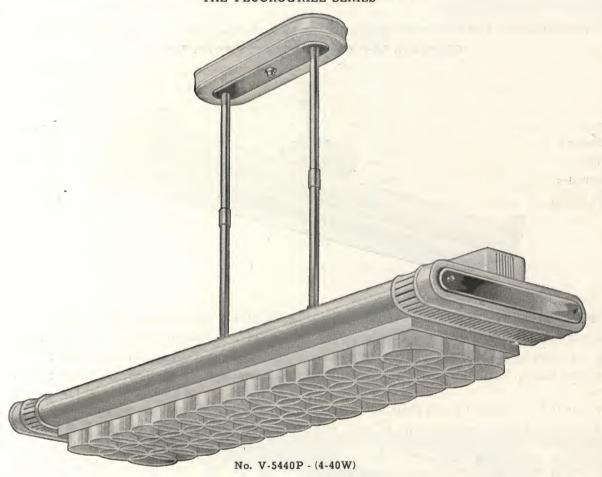
Permanency of materials and finishes is one of the many features of these fixtures.

Maintenance is effected by washing with warm (not hot) water and a mild soap and soft brush, or, dusting by brush, suction or forced air.

#### FLUOROGRILL BAFFLE SCHEDULE

Catalog	
Number	Each
V-B420 converts a 4-20W unit from bare to sha	aded 15½" wide x 24" long x 3¾" deep — 5 lbs\$11.54
	aded 8½" wide x 48" long x 3¾" deep — 9 lbs 15.54
V PAAO converte a A AOVE and the first bare to sha	15.54
	aded 15½" wide x 48" long x 3¾" deep — 10½ lbs 24.42
V-B640 converts a 6-40W unit from bare to sha	ded 21" wide x 48" long x 334" deep — 12½ lbs 37.74

SECTIONAL STEMS FOR EASY ADJUSTMENT — ALL FIXTURES WIRED COMPLETE ELIMINATES ALL CEILING SHADOWS, EFFICIENT, WIDESPREAD LIGHT DISTRIBUTION THE FLUOROGRILL SERIES



Light weight, all-plastic baffle, designed to efficiently shield the bare lamps in average viewing angles, reducing brightness values to those acceptable for school room and office lighting. This fixture is recommended for installations where extensive seeing tasks exist—for example: classroom lighting, libraries, executive, private and general offices, doctors' and dentists' offices, etc.

The light-absorption of "The Fluorogrill" baffle is in the order of 20% of the bare lamp fixture output, which results in very efficient lighting fixture performance.

The "Fluorogrill" design is both unusual and decorative and is immediately at home in any interior, adding considerably to the lighting installation as a whole.

THE FLUOROGRILL SERIES FIXTURE SCHEDULE

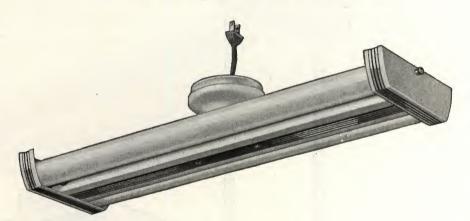
Lamps	Catalog Number	Type	Body Size	Length Overall	Weight Packed	Each Less lamps
4-20W 4-20W 2-40W 2-40W 4-40W 4-40W 6-40W	V-5420P V-5420C V-5240P V-5240C V-5440P V-5440C V-5640P V-5640C	Pendant Ceiling Pendant Ceiling Pendant Ceiling Pendant Ceiling	15½" wide x 25" long 15½" wide x 25" long 8¼" wide x 49" long 8½" wide x 49" long 15½" wide x 49" long 15½" wide x 49" long 21" wide x 49" long 21" wide x 49" long	31½" 634" 31½" 634" 31½" 634" 31½" 634"	$\begin{array}{c} 26 \\ 25 \\ 401/2 \\ 38 \\ 481/2 \\ 47 \\ 601/2 \\ 59 \end{array}$	\$39.13 37.94 38.66 36.28 61.19 58.76 94.27 91.92

Standard Catalog Numbers are Wired Complete for 110-125 Volt, 60 Cycle Alternating Current Only.

FIXTURE WEIGHT REDUCED TO A MINIMUM

# FLUORESCENT ADAPTOR FOR RESIDENTIAL AND COMMERCIAL INSTALATIONS WHERE COMPLETE RE-FIXTURING CANNOT BE EFFECTED





For . . .

Small Stores
Corridors
Rest Rooms
Stock Rooms

Designed to radiate light in all directions, eliminating objectional dark ceiling shadows, this light weight Fluorescent Adaptor makes possible modern improved lighting conditions plus smart styling without the need to replace the entire fixture . . . You merely remove the enclosing glass globe and Mazda Incandescent Lamp from your present holder. Install cap in socket . . . plug in and attach unit to holder by tightening thumb screws.

For operation on 110-125 Volt, 60 Cycle, Alternating Current this Fluorescent Adaptor accommodates two 20-Watt Fluorescent Lamps. Furnished with 4" or 6" Fitters for easy adapting to any Standard 4" or 6" Ceiling Holder.

Catalog No. V-3220A	Low Power Factor	24" Long, 7" Wide, 4" O.A. Weight Packed 634 lbs.	Less lamps \$9.93
Catalog No. V-3220APF		24" Long, 7" Wide, 4" O.A. Weight Packed 8% lbs.	13.29
		(4)	

Lamps for Above—Each \$1.10

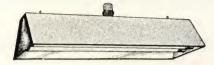
Standard Finish: White Enamel with Polished Chrome Trim.

## FLUORESCENT SHOW CASE UNIT Mitchell



New type Fluorescent Unit. Can be installed in three minutes in almost any type of show case, display case, or wall case. Can be attached to case by using rubber vacum brackets or metal suspension clips. Both types are included right with unit . . . nothing else to buy, installation can be made in a jiffy. Overall length is 371/2". Finished in satin chromium. Inside reflector is highly polished. 10 ft. flexible metal covered cable leads from reflector to auxiliary box.

## FLUORESCENT ADAPTORS Mitchell



Just screw into any light socket, and. presto. the lighting problem is solved. A complete self-contained unit. Patented swivel feature permits full adjustment on a horizontal plane. The light can be directed as desired. Durable exterior finish. White enameled reflector. Automatic starter. Loops for chain hanging. 110-125 volts, 60 cycle, A. C. Equipped with low power factor ballasts.

No. 2015—Two lamp adaptor. Uses two 15 watt 18 inch Fluorescent lamps. One to a carten. Weight 7 lbs. Each (less lamps) ..........\$7.95

#### INDUSTRIAL UNIT



Fluorescent Industrial Unit. ideal unit for lighting production areas where large quantities of cool. daylight illumination is desired. Completely wired, ready to hang. Simply hang chain on hook, and plug in cord. Complete with necessary chains and and plug. Has knock-outs for installation with conduit if necessary. Uses latest type High Power Factor tulamp ballast which corrects power factor and flicker. Replaceable starting switches located in sockets. Durably constructed throughout. Navy blue enameled exterior finish. Reflector is coated with high reflection factor genuine porcelain enamel. Overall length 60 inches, width 111/2 inches. For use with 2 T-12 40-watt fluorescent bulbs.

No. M2010A—Each ......\$21.95



#### Oamco

Oamco fixtures are designed for the four different sizes of lamps, the 15 watt 18 inch, 20 watt 24 inch, 30 watt 36 inch, 40 watt 48 inch,

They are made for one, two, or three lamps. Units may be joined either singly or in multiple to form a continuous length.

Fluorescent lamps are an outstanding advance in lighting. The salient features are:

- Low surface brightness without glare.
- Only 50% of the radiant heat of incandescent lamps.
- 2 to 200 times more efficient in light output as comparable incandescent sources
- Equipped with high power factor ballasts.



#### FLUORESCENT UNIT STRIPS

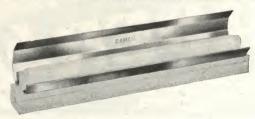
Listed by Underwriter's Laboratories, Inc.
Width 2½ inches. Depth 1¾ inches.

Made with ½-inch knockout in each end and holes in the back of channel for mounting. The lamp holders and auxiliary are mounted on the cover so it can be easily wired. Finished aluminum bronze lacquer.

No.	BALLAST List Price	No. and Lamp t		List Price White or Daylight	Length Fixture	Lamp Size	Line Voltage	Std. Pkg.	Weight Lbs.
2005HP	\$ 9.30	T12	18"		19 in.	18"–15 Watt	110-120	1	3½
2005AH	9.90	T12	24"		25 in.	24"–20 Watt	110-120	1	4
2005BH	13.06	T8	36"		37 in.	36"–30 Watt	110-120	1	6
2005HH	14.68	T12	48"		49 in.	48"–40 Watt	110-120	1	10

Prices do not include wiring or lamps.

#### SYMMETRIC AND ASYMMETRIC REFLECTORS



These reflectors are made so they can be attached to fluorescent light strips Nos. 2005 to 2005H. They are finished aluminum lacquer outside, the reflecting side is white synthetic enamel.

#### SYMMETRIC REFLECTORS

No.	List	Length of	Std.	Weight
	Price	Reflector	Pkg.	Lbs.
2008	\$1.72	18 in.	1	2
2008A	2.10	24 in.	1	2 <sup>1</sup> ⁄ <sub>4</sub>
2008B	2.94	36 in.	1	3 <sup>3</sup> ⁄ <sub>4</sub>
2008C	3.80	48 in.	1	4

## For Beautiful Modernistic Lighting





No. J-519 — Crystal Bottom Unit. Plain White. Diameter 9½ inches, Depth 12½ inches. Fitter 6 inches. 100-200 watt capacity. Packed individually. Each ........\$2.97



No. V-J-595-9-in.

Opal Glassware—Chromium Ceiling type. Wired complete.



No. V-594—Spread 6 inches, Depth 5½ inches. One light fixture. Chromium ceiling holder. White glass with crystal lines and bottom louvres. Packed individually. Each ....\$2.48



No. J-3806—Open Bottom shade. Diameter, 6½ inches. Depth 5½ inches. 2¼ inch fitter. Each .........\$1.01
Packed 12 to a case.



#### THE CAVALCADE SERIES



Prismatic Crystal Top— Enameled Bottom

No. J-3813—Diameter 13 ins. Depth 9 inches. Six inch fitter. 300 watt capacity. Pkd. 2 to a carton.



No. J-3706—White glass with crystal bottom louvres. Diameter 9½ inches. Depth 10 inches. Fitter 6 inches. 300 watt capacity. Each ......\$3.24





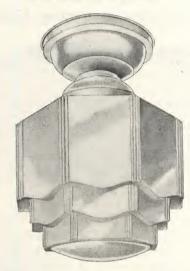
**No. J-3704**—White glass with crystal bottom louvres. Diameter 7½ inches, depth 6¾ inches. Fitter 4 inches. 150 watt capacity. Each ............\$1.37



Enameled commercial glassware with Louvred Bottoms. Unsurpassed for Direct Lighting.

Nos.	J-3308	J-3312	J-3314
Size, ins	81/2	12	14
Fitter, ins .	4	6	6
Depth, ins	$6\frac{1}{2}$	81/2	$9\frac{1}{4}$
Std pkg	12	4	2
Each	\$1.31	\$3.34	\$4.21

## ELECTRIC FIXTURES KITCHEN FIXTURES



White enamel holder complete with receptacle and strap. White glass bowl measures 8 inches diameter 7½ inches deep with 4 inch fitter. Holder and glassware. Packed separately one to a carton. Weight each complete, 4 pounds.

No. 7K—Keyless Type. Each ..\$1.08 No. 7PC—Pull Chain Type. Ea. 1.20



White enamel holder complete with receptacle and strap. White glass bowl measures 9 inches diameter, 634 inches deep with 4 inch fitter. Holder and glassware. Packed separately one to a carton. Weight each complete, 4 lbs.

No. 6K—Keyless type. Each ..\$1.00 No. 6PC—Pull chain type. Each. 1.15

#### BATHROOM FIXTURE



White enamel holder including strap and receptacle with insulator in pull chain. Fancy design white glass shade 5½ inches long, 4 inches wide with 2½ inch fitter.

No. 3PCX—Weight 1 lb. each complete ready to be installed. Each \$0.90

#### KITCHEN FIXTURE GLOBE



High efficiency glass globe for Kitchen Fixtures. 9-inch diameter, 634-inch deep with 4-inch fitter. 1 to a carton. Wt. each, 2½ lbs.

No. 609—Kitchen Globe. Each..\$0.63 Dep't-2

#### BATHROOM FIXTURE GLOBE



Fancy design white glass shade for Bathroom Fixtures. 5¼-inches long, 4-inches wide with 2¼-inch fitter. Nested 24 to a carton. Weight each, 1 pound.

No. 705—Bathroom globe. Each. \$0.50 Dep't-2





No. J-60/3807—Chromium Holder. Glass: Crystal Prismatic Top in white bottom and clear bull's eye in center. Diameter Glass 7 inches. 100 watt capacity. Wired keyless. Packed individually. Each.\$1.90



In this Catalog we show a carefully selected line of merchandise which we have found by long experience is in demand in the territory we serve. In selecting our lines the first consideration is the quality and merit of every item. When ordering by mail be sure you have number and full description.

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Decorative Units for Kitchen or Bathroom
WIRED AND PACKED COMPLETE WITH GLASSWARE



No. J-60/3908 — Chromium Holder. White glass with crystal louvred bottom and red decorative bands or plain white. Diameter of glass 8½ inches. 150 watt capacity. Wired keyless. Packed individually.

With Red Bands. Each ......\$2.37 Plain White. Each ...... 2.60



No. J-53/3906 — Chromium holder. White glass with crystal louvred bottom and red decorative bands or plain white. Diameter of glass 6½ inches. 60 watt capacity. Wired keyless. Packed individually.

With Red Bands. Each .....\$2.52 Plain White. Each ..... 2.10



No. J-62/3506—White enamel holder with open bottom opal glass. Diameter Glass 6½ inches. 100 Watt Capacity. Wired keyless. Packed individually.

Each .....\$1.49



No. J-53/3901—Chromium holder. 31/4 inch fitter. White opal glass crystal louvred bottom. Plain white or with red bands. Packed individually.

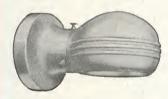
With Red Bands. Each .....\$2.67 Plain White. Each ..... 2.23



Chromium holder with white shade. 75 watt capacity. Wired with pull-chain socket. Packed individually.

Each

No. J-62-3502—Less outlet ....\$2.35 No. J-62-CO-3502—With outlet. 2.60



White Enamel Holder with white shade. 60 watt capacity, Wired with pull-chain socket. Packed individually.

Each

No. J-62-3501—Less outlet ....\$1.61 No. J-62-CO-3501—With outlet. 1.85



No. J-293—One light fixture. Spread 7½ inches. Depth 5 inches. 60 watt capacity. Opal glass. Packed individually. Finish: Chromium. Each. \$2.72



No. J-60/3408 — Chromium holder. Opal ribbed glass. 150 watt capacity. Diameter of glass 8½ inches. Wired keyless. Packed individually.

Each .....\$2.10





### Decorative Units for Kitchen or Bathroom



No. V-653—Chromium holder. White glass with crystal lines and etched crystal glass circlet. 60 watt capacity. Spread 9 inches. Packed individualy. Each \$3.09



No. V-53/652 — Chromium Holder. Glassware white with crystal lines and prismatic bottom.

No. V-53/652—Each .....\$2.30 No. V-53-CO/652—Each ..... 2.60







No. V-795—Spread 8 inches. Depth 5½ inches. 2 lights. Each ....\$4.08

No. V-799—Spread 10 inches. Depth 5½ inches. 3 lights. Each....\$5.57

Chromium ceiling holder. White glass with crystal lines and bottom louvres.



No. V-695—Spread 9 inches, depth 3 inches. 2 lights. Each ......\$3.83

No. V-699—Spread 11 inches. Depth 3 inches. 2 lights. Each ......\$5.70





No. V-53/651 — Chromium Holder. Glassware White with Crystal lines. and Prismatic Bottom. Each...\$2.10

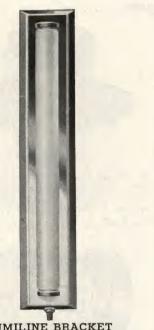
No. V-53-CO/651—Each ..... 2.35

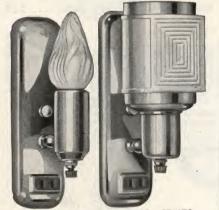


No. V-474-CO—Two light bracket. Chromium holder. White glass with crystal lines and Louvred Bottom. Glass is  $3\frac{1}{4}\times3\frac{1}{4}\times11$  inches.

No. V-474-CO—With outlet. Ea.\$5.57 No. V-474—Less outlet. Each . . 5.32 Packed individually.

# ELECTRIC FIXTURES Decorative Utility Units

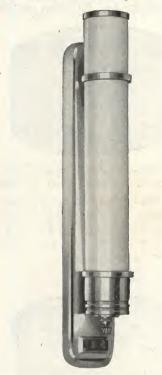




No. V-473 No. V-472
No. V-472—Backplate 2½x8 inches.
Wired with turn switch. Packed individually. Finish: Chromium

Less convenience outlet ......\$4.09 With convenience outlet ...... 4.33 No. V-473—Backplate 2½x8 inches. Wired with turn switch. Packed individually. 12 to case. Finish: Chromium.

Less convenience outlet .....\$2.40
With convenience outlet ..... 2.72



No. V-495—Backplate 2½x15 inches. Extension 3 inches. Packed individually. Finish: Chromium 12-inch opal glass cylinder. Will accommodate a 40 watt tubular lamp.

Less Outlet—Each ......\$4.32

With Outlet. Each ...... 5.07



No. V-491—Diameter canopy 5 inches. Wired keyless. Packed individually. Chromium finish. Each ......\$1.36



No. V-496—For 12 inch lamp. Backplate 2½x15 inches. Wired with socket and canopy switch. Lamp is not included. Packed individually. Finish: Chromium.

Less outlet. Each .......\$3.60
With outlet. Each ............ 3.83



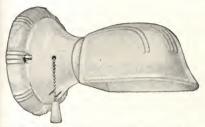
No. V-475 No. V-485

No. V-475—Backplate 2½x8 inches Wired with turn switch. Packed individually. Finish: Chromium.

Less Convenience Outlet .....\$3.34 With convenience outlet. ..... 3.60

No. V-485—Backplate 2½x8 inches Wired with turn switch. Packed individually with 6 inch opal glass cylinder. Finish: Chromium. Each.\$2.60

# Decorative Units for Kitchen or Bathroom



No. V-215-Porcelain screwless holder with White Opal Shade. Diameter backplate 5 inches. Packed individually, 12 to case. Finish plain white.

With	outlet.	Each					. 5	2.35	
Less	outlet.	Each						2.10	



No. V-52-Porcelain Bracket. sions: 4%x7 inches. Extension: 3% inches. Wired with Pull Switch. Packed individually. Finish: Plain White.

With	outlet	t. Eac	h	٠				. \$	1.49
No or	utlet.	Each						. :	.24



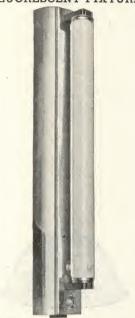
No. V-219-Vapor Proof Unit for Bathroom or shower. Diameter canopy 4% inches. Packed individually. Finish: White porcelain with glass unit.

Each .....\$2.72



No. V-117—Porceiain Beamlite. Diameter canopy 6½ inches. Wired with keyless receptacle. Packed individually. 12 to a case. Finish plain white. Each .....\$0.99

#### FLUORESCENT FIXTURE



No. V-785-For 18 inch lamp. Backplate, 20x31/2 inches. Extension 13/4 inches. Equipped with on and off switch. Packed individually. Finish: Chromium.

Less outlet.	Each		. \$7.55
With outlet.	Each		. 7.79
No. V-786—For			
plate 26x3½ in			
inches. Equippe			
switch. Packed	individu	ually.	Finish:
Chromium.		•	

Less outlet. Each .....\$9.52
With outlet. Each ..... 9.77



No. V-118-Kitchen Unit-4-inch porcelain holder with eyelet. Diameter canopy 634 inches. Wired with keyless receptacle. Packed individually. Finish: Plain white. Each ....\$0.99



No. V-110 — Porcelain Holder with White Opal Glass. Diameter backplate 5 inches. Packed individually. 
 With outlet. Each
 \$2.35

 Less outlet. Each
 2.10



No. V-120-Porcelain bracket with White Opal Glass. Backplate 4x7 ins. Extension 5 ins. Wired Pull-Chain. Packed individually. Finish: Plain

 With outlet. Each
 \$2.35

 Less outlet. Each
 2.10

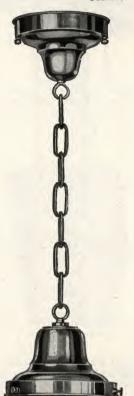


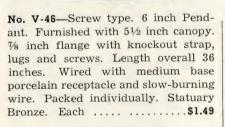
No. V-130-Porcelain bracket. Backplate 4x7 inches. Extension 3¾ ins. Wired Pull-Chain. Packed individually. Finish: Plain White.
With outlet. Each \$1.61
Less outlet. Each 1.36

# General, Commercial, School and Store Lighting

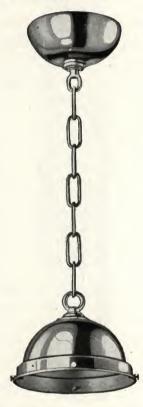
These Hangers and Holders canbe furnished wired with the Special Sockets and Switches for Use with the New Mazda 3-Light Lamps. Available in both Copperface Metal and 22 gauge Brass.

#### CHAIN TYPE CEILING HOLDER





No. V-45—Screw type. 4 inch Pendant. Furnished with 5½ inch canopy. % inch flange with knockout, strap, lugs and screws. Length overall 36 inches. Wired with medium base porcelain receptacle and slow-burning wire. Packed individually. Statuary Bronze Finish. Each . . . . . . . . . . . . \$1.36

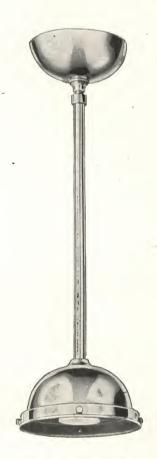


CEILING HOLDER



No. V-36—Screw Type. 6 inch Ceiling Holder. 61/4x51/2 inches deep. 7/8 inch flange with knockout. Wired with pigtail porcelain receptacle. Packed individually with strap, lugs and screws—24 to a case. Statuary bronze finish. Each .......................\$0.98

No. V-34—Screw Type. 4 inch Ceiling Holder. 6½x4½ inches deep. 76 inch flange with knockout. Wirewith pigtail porcelain receptacle Packed individually with strap, lug and screws—48 to a case. Statuar Bronze finish. Each ..........\$0.86



No. V-156-C-6 inch

No. V-154-C-4 inch

#### Streamline Type Specifications

No. V-156-C—6 inch fitter. Medium socket. Sectional casing. Length overall 24 inches. Finish Chromium.



No. V-46-C-6 inch

No. V-45-C-4 inch

#### Regular Screw Type Specifications



No. 2542K—Keyless Type with strap. Diameter Canopy 5½ inches. Deep flange with knock-out. Packed individually.

Brown	ntone.	Ea	ich		٠				. \$0	.54	
Ivory	Pastell	e.	Eac	eh						.54	

No. 2542PC—Pull Chain Type otherwise same as above. Each .....\$0.74



No. 44K—Keyless Type. With Strap 34-inch flange. Diameter canopy 41/4 inches. 60 to a case. Ivory Pastelle or Browntone finish. Each . . . . \$0.45

No. 44PC—Pull Chain type otherwise same as above. Each ......\$0.65



No. 49K—Keyless Type. With strap Diameter 7½ inches. Finishes: Ivory Pastelle or Antique Ivory. Each. \$0.66 Packed one to a carton.

No. 49PC—Pull chain type otherwise same as above. Each ......\$0.86



No. 47K—Keyless type. With strap. Diameter canopy 5½ inches. Packed individually. Finishes: Ivory Pastelle and Gold Polychrome. Ea.\$0.54
No. 47PC—Pull Chain type otherwise same as above. Each . . . . . \$0.74





No. 42K—Keyless Type. With Stray Diameter canopy 6½ inches. Packe individually, 48 to a case. Finishe Ivory Pastelle. Each . . . . . . . \$0.6

No. 40K—Keyless type with strap Diameter 5½ inches. 48 to a case Ivory or white enamel finish.

Each \$0.5

Statuary Bronze, Pewter or Ole Brass finish. Each \$0.6

No. 40PC—Pull Chain type otherwis same as above.

Ivory or White Enamel Finish.
Each .......\$0.7

Statuary Bronze, Pewter or Ole Brass finish. Each ........\$0.8

NOTE—All above numbers followed by letter K designate fixture with 322 Keyless Receptacle. All above numbers followed by PC designate fixture complete with 220S Pull Chain Receptacle.



No. 62KC—Chromium finish otherwise same as above. Each .....\$0.72

No. 62PC—Pull chain type. White enamel finish. Each .......\$0.70

No. 62PCC—Chromium finish otherwise same as above. Each .....\$0.86



No. 124K—Keyless Type. Streamline Holder. 4-inch fitter. Diameter of canopy 7½ inches. With strap. Packed individually, 24 to a case, Chrome finish. Each ...................................\$1.10

No. 124PC—Pull chain type otherwise same as above. Each....\$1.30



No. 43PC—Pull chain type otherwise same as above. Each ......\$1.07



No. 60K—Keyless Type. Streamline Kitchen Holder. Diameter of canopy 5½ inches. With strap. Packed individually, 48 to case. 4-inch Fitter. White enamel finish. Each ...\$0.60 No. 60KC—Chromium finish otherwise same as above. Each ...\$0.83 No. 60PC—Pull chain type. White enamel finish. Each ...\$0.60 No. 60PCC—Chromium finish otherwise same as above. Each ...\$0.98





No. 53K—Keyless Type. Streamline Porch Ring. With strap. Diameter canopy 434 inches. Fitter 314 inches. Packed individually, 48 to a case. Finish: White enamel. Each ...\$0.50 No. 53KR—Solid Copper otherwise same as above. Each ....\$0.79 No. 53KC—Chromium finish otherwise same as above. Each ...\$0.60 No. 53PC—Pull Chain Type. White enamel finish. Each ....\$0.70 No. 53PCR—Solid copper otherwise same as above. Each ....\$0.34 No. 53PCC — Chromium otherwise same as above. Each ....\$0.80





No. 140K—Keyless Type. Streamline Beamlite. Diameter of Canopy 7½ inches. With strap. Packed individually, 24 to case. Ivory finish.

Each \$0.79

No. 140KC—Chromium finish otherwise as above. Each \$1.19

No. 140PC—Pull chain type. Ivory finish. Each \$0.99

No. 140PCC—Chromium finish otherwise same as above. Each \$1.39



No. 50K—Keyless type. Streamline Kitchen Holder with strap. Diameter of canopy 6½ inches. 4 inch fitter. White enamel finish. Each ...\$0.76 No. 50KC—Chromium finish otherwise same as above. Each ...\$1.03 No. 50PC—Pull Chain type. White enamel finish. Each ...\$0.93 No. 50PCC—Chromium finish otherwise as above. Each ...\$1.23

NOTE—All above numbers followed by letter K designate fixture with 322 Keyless Receptacle. All above numbers followed by PC designate fixture complete with 220S Pull Chain Receptacle.



No. 21K-Keyless Type. Less strap. Diameter canopy 41/2 inches. Deep flange with knock-out. 10 to a package-100 to case. Finishes. Browntone, White Enamel. Each .... \$3.37

No. 21PC-Pull chain type otherwise same as above. Each ......\$0.57



No. 20K-Keyless Type. Less strap. Diameter canopy 51/2 inches. 25 to a package-200 to a case. Finishes: Browntone, Ivory, White Enamel. Each .....\$0.37

No. 20PC-Pull chain type otherwise same as above. Each ......\$0.57



No. 25K-Keyless Type. With strap. 4 inch kitchen holder. 51/8x43/4 inches deep. With pull-chain eyelet and deep flange with knockout. Packed individually, 48 to a case. White enamel. Each .....\$0.54

No. 25KC-Chromium finish, otherwise same as above. Each . ...\$0.84

No. 25PC-Pull chain type, white enamel. Each .....\$0.64

No. 25PCC-Chromium finish otherwise same as above. Each ....\$0.94

# **ELECTRIC FIXTURES**



No. 149K-Cast Metal Porch Ring. Diameter 61/8 inches. Fitter 31/4 ins. Wired complete. Finish; black enamel. Pkd. 24 to a case. Each. . \$0.00



No. 26K-Keyless Type. With Strap Bathroom bracket. 21/4 inch fitter. 60 to a case. White enamel finish.

Each .....\$0.57

No. 26KC-Chromium finish otherwise same as above. Each ....\$0.84 No. 26PC-Pull chain type, white enamel finish. Each ......\$0.64

No. 26PCC-Chromium finish otherwise same as above. Each ....\$0.94



No. V-146—Back porch light. Backplate 5 inches. Made of Solid Copper. Wired keyless. Packed individually. Finish: Antique copper.

Each .....\$1.36



No. V-67—Outlet closer. Diameter 51/4 inches. Packed 25 to package. Finish: Ivory. Each ......\$0.17

No. V67-Brushed Brass finish.

All above numbers followed by PC designate fixture complete with 220S Pull Chain Receptacle.



No. V-25-CO—Regular No. 25-E. Regular No. 25-E. Wired with keyless receptacle and 4-foot silk cord with combination pendant switch and convenience outlet. Packed individually
—48 to a case. White enamel finish. Each 



No. V-147-Bare, With two Socket Attachments. Made of Rust-Proof Iron. Sliding Glass Panel with Red Letters on White Background. Dimensions 6x12x31/4 inches. Finish: Black Enamel. Packed 12 to a case. Each .....\$2.35



No. V-148-Cast Metal Porch Bracket. Diameter backplate 4% inches. Extension 71/4 inches. Fitter 31/4 inches. Wired complete. Finish: Black Enamel. Packed 12 to a case. Each ......\$2.10



No. V-901-21-12 to carton-72 to a case. Brushed Brass. Without Socket cover. Each ..... ..\$0.56 10 to carton-60 to case. Browntone. With Socket ary Bronze. With socket cover. Each ......\$0.74





No. V-30-Ball-lamp adapter. Screws on standard socket. to a package. 500 to a case. Rich Gilt finish. Each. . \$0.14



No. 24K-Keyless Type. With strap. 4 inch ceiling holder. 51/2 inch diameter. Packed 48 to a case. Browntone, White Enamel. Each ........\$0.60 No. 24PC—Pull Chain type otherwise same as above. Each .......\$0.80 No. 23K—Keyless type. With strap. 31/4 inch celing holder. 51/2 inch diameter. Packed 48 to case. Browntone. Black Enamel. Each ......\$0.60 No. 23PC—Pull chain type otherwise same as above. Each . . . . . . . . . \$0.80
No. 22K—Keyless type. With strap 21/4 inch ceiling holder. 51/2 inch diameter. Packed 48 to a case. Finishes: Browntone, Ivory. White Enamel. . . . . . . . . . . . . . . . . \$0.57 Each No. 22PC—Pull chain otherwise same as above. Each ..... \$0.77

All above numbers followed by PC designate fixture complete with 220S Pull Chain Receptacle.



No. V-16—6-inch commercial holder, 2 lug and 1 screw type. 10 to a package—100 to a case. Statuary Bronze Finish. No. V-14-4-inch commercial holder. 10 to a package. Statuary Bronze. Each ......\$0.40



Browntone

	4½ x2¾ inche	es-25 to	a	paci	cage-	-2;	00	to	Ca	se.	
No.	V-64—1/8 hole.	Each									 .\$0.22
No.	V-64-Nipple.	Each .						٠,			 20
No.	V-64-3/4 Slip.	Each .									 20
			-	_							
No.	V-64-1/8 Hole.	Each									 . \$0.22
NO.	V-64-Nippie.	Lacn									 20
No.	V-64-3/4 Slip.	Each									 25



No. V-68-Less strap. 51/2-inch diameter. Drop cord canopy. Bushed eyelet. 25 to a package-200 to a case. Finish Browntone. Each .....\$0.17



With Key Socket.

No. V209B-21/4-inch chain pendant. Without adapter-48 to carton. Finish Browntone. Each ......\$1.36

4-inch—Strap and screws .....\$6.00 5-inch—Strap and screws ..... 7.42 Each ....... \$0.77 No. V209W—White finish. Each 1.41 6-inch—Strap and screws ..... 8.04 NOTE—All above numbers followed by letter K designate fixture with 322 Keyless Receptacle.

OFFSET STRAPS

#### PIN-IT-UP LAMPS

#### WITH DIFFUSING BOWL





Bracket: Antique ivory over metal and natural walnut. Shade: Hexagonal, pleated acetate over parchment, silk trim top and bottom. Cellophane wrapped. Plastic diffusing bowl 100w size. Push switch. 14½ ins. over all height, extends 10 inches from wall.





Bracket: Pressure cast metal, silver plated, gold trimmed. Shade: Oval drum type, monk's cloth over parchment, silk trim top and bottom. Cellophane wrapped. Plastic diffusing bowl 100w size. Push switch. 13½-inch over all height, extends 10 inches from wall.

#### WITH DIFFUSING BOWL Convertible Nite-Lite



Bracket: Cast metal base, antique ivory. Features 7 watt (use C-7 Mazda lamp) NITE-LITE concealed in bell ornament, controlled from master switch in socket. 100w plastic bowl. Shade: Hand appliqued design on embossed parchment. 13½-inches overall height, extends 11-inches from wall. Stands 15-inches high as a table lamp. It takes less than a minute to hang and less than that to adjust this same PIN-IT-UP Lamp into a convenient table lamp. The added NITE-LITE safety feature will mean fewer accidents in thousands of American homes.





Features 7 watt (use C-7 Mazda Lamp) NITE-LITE concealed in back plate and controlled from master switch in socket. Plastic diffusing bowl 100w size. Bracket: Smooth formed metal, ivory finish, brown edge spray antique. Shade: Embossed parchment, print design. 15 inches over all height, extends 11 inches from wall.

### PIN-IT-UP LAMPS

#### WITH DIFFUSING BOWL





Bracket: Pressure cast metal, antique ivory and gold finish. Shade: Embossed eggshell parchment, scored and flared. Plastic diffusing bowl 100w size. Push switch. 14½ inches over all height, extends 10½ inches from wall.

No. 1362—One to a carton. Weight each, 2½ pounds.

#### WITH DIFFUSING BOWL





Bracket: Pressure cast metal, glossy antique ivory finish. Shade: Embossed parchment, print design. Plastic diffusing bowl 100w size. Push switch. 14 inches overall extends 11 inches from wall.

#### WITH DIFFUSING BOWL





Bracket: Polished brass, hobnail glass font. Shade: Oval shape, gold foil binding, embossed parchment. Plastic diffusing bowl 100w size. 13 inches over all height, extends 8 inches from wall.

#### WITH DIFFUSING BOWL





Bracket: Solid native walnut, polished brass arm.

Shade: Scored and embossed parchment, antiqued. plastic diffusing bowl 100w size. 13½ inches over all height, extends 10½ inches from wall.

No. 1336—One to a carton. Weight each, 2¼ pounds. Each .....\$2.50

#### PIN-IT-UP LAMPS

### WITHOUT DIFFUSING BOWL



Bracket: Polished aluminum trimmed with Red enamel stripes. Shade: Spun aluminum, brushed and polished surface, enamel stripes, clip-top fitter. Push switch. 12½ inches over all height, extends 10-inches from wall.

No. 1309—One to a carton. Weight 2 lbs. Each .....\$2.50

# WITH DIFFUSING BOWL





Bracket: Pressure cast metal, antique ivory finish. Shade: Embossed parchment, matching print design. Plastic diffusing bowl 75w size. 14 inches over all height, extends 10½ inches from wall.

#### WITH DIFFUSING BOWL





Bracket: Native hard wood, walnut finish, decorated with brass galleries. Shade: Embossed parchment, two color print. Plastic diffusing bowl. Equipped for three stage lighting with 30-70-100w Mazda Lamp. 13½ inches over all height, extends 10½ inches from wall.

#### WITH DIFFUSING BOWL





Bracket. Cast metal, antique ivory finish. Designed to add beauty and better light in any room in the home. Shade: Two-tone design parchment to match. Plastic diffusing bowl, 100w size. 14-inches overall height, extends 10½-inches from wall.

#### WITHOUT DIFFUSING BOWL



Bracket: Clear crystal glass, arm to match. Shade: Pleated parchment, matching bow. Cellophane wrapped. Uno fitter prevents tipping. 11 inches over all, extends 10½ inches from wall.

No. 1155N—Nested 2 to a carton.	Weight per carton, 33/4
pounds. Each	\$1.40

No. 11	55I.P.—I	ndiv	idualy	packed	otherwise	same	as
above.	Weight,	$2\frac{1}{4}$	pounds	. Each.		\$1	.50



Bracket: Pressure cast metal, glossy finish, antique ivory with floral trim. Shade: Embossed eggshell parchment, four color, floral print design. Uno fitter prevents tipping. 14-inch over all height, extends 10 inches from wall.

No. 1132 I.P.—Individualy packed otherwise same as above. Weight, 21/4 pounds. Each ...........\$1.50

# WITHOUT DIFFUSING BOWL



Bracket: Pressure cast metal, glossy finish, hand rub antique. Shade: Print design on embossed parchment. Uno ring prevents tipping. 13-inches overall height, extends 10-inches from wall.



No. 1165I.P.—Individually packed otherwise same as above. Weight each, 2 lbs. Each.....\$1.30

#### LAMPS

# FLUORESCENT DESK LAMPS

Mitchell



Here is the lowest priced Fluorescent Desk lamp ever offered! Beautiful baked Tobacco-Brown wrinkle finish with white enamel reflector of parabolic shape—throws maximum light on working area. New type instantaneous on-off starter switch conveniently located in base. Pencil and pen trough. Stands 14½ inches high. Base is 10" long, 5¼" wide, and felt padded. Shade is 18" long.

No. 2050—Desk Lamp. Uses one 15 watt T8 Fluorescent bulb. One to carton. Weight 12 lbs. Each (less bulb) \$6.95



The extremely fine performance of this Mitchell High Efficiency Lamp is achieved by means of light control. A genuine Alzak reflector of parabolic shape is located inside the shade directly behind the lamp bulb. This picks up otherwise absorbed or lost light and reflects it forward on the serviceable area of the desk.

Stands 15½" high, and built with latest type starting and ballast equipment. Base is 11" long and 6¼" wide, and felt padded. Standard finish is a durable and rich looking Lacquered Bronze with gold finished trimmings.

# FLEXIBLE ARM DESK LAMPS



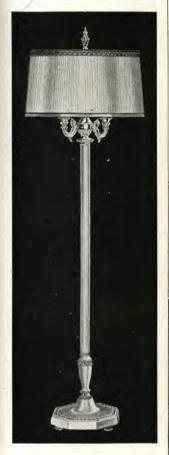
A most useful lamp for students use, office desks, etc. Heavy cast iron base in modernistic design with grooves for pen or pencils and tray for pins, paper clips, etc. An tique Bronze and Green Finishes.

In this Catalog we show a carefully selected line of merchandise which we have found by long experience is in demand in the territory we serve. In selecting our lines the first consideration is the quality and merit of every item. When ordering by mail be sure you have number and full description.

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#### 5 WAY LIGHTING

Combination 2-Lite Fluorescent and Semi-Indirect Lighting



63 inches high, a smart octagon shaped cast bottom base elaborately surmounted with cast spindles at top and bottom. The two candle effect arm is etched in cast white metal supporting the two T-12, 14 watt white 15 inch fluorescent bulbs, and 10 inch semi-indirect glass diffusing bowl with mogul base socket. 11/4 in. fine etched tubing. Shade is 19 inches in diameter, octagon shaped to correspond with base design in pleated silk, smartly braid trimmed at top and self fold at bottom. Finished in bronze plated.

No. FL200—Wt. each, 35 lbs. Each .....\$19.25 Dep't-2 OX72 Individually packed.

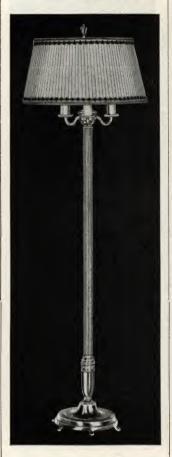
6 WAY LIGHTING



63 inches high, matchless in treatment of design, surmounted with richly detailed cast break, 1½ inch space reeded shafting, equipped with 10 inch glass reflector shade 19 inch in diameter, of smart quilted vellum parchment. Finishes bronze plated.

Packed individually.

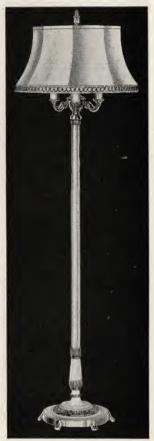
6 WAY LIGHTING



63 inches high, attractively designed base with heavy cast bottom spindle. 1½ inch heavy etched tubing. The shade is 19 inches in diameter, hand tailored, pleated silk, smartly trimmed with braid at top and bottom; beige color to match bronze finish.

Packed individually.

6 WAY LIGHTING



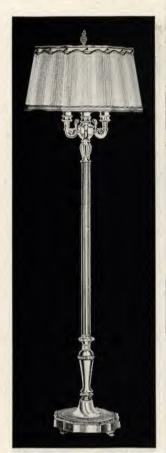
63" high, an outstanding display of styling completed with cast metal breaks at top and bottom of the 11/4" fine reeded tubing. 19" in diameter stretched silk shade with self fold trim at top and combination ribbon and fold trim at bottom. Eggshell finish shade to match Ivory and gold base.

No. 713—Weight each, 28
lbs. Each ......\$10.50
Dep't-2 TZA

Individually packed.

Bulbs not included in prices - Must be purchased separately

#### 6 WAY LIGHTING



63 inches high, aristocratic designed base, rich in detailed motif. Graceful styled spindles, 1¼ inch fine engraved tubing. 19 inch diameter scalloped shade, hand tailored fancy cord trim at bottom and cutout banding at top. Finished in Silver and Gold.

No. 720—Weight each, 32 lbs. Each ......\$14.50 Dep'1-2 Jez Packed individually.

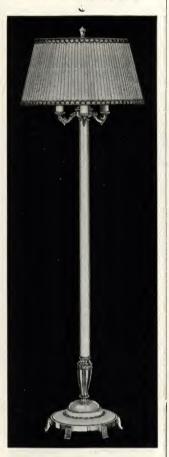
#### 6 WA YLIGHTING



63 inches high, a stately model enriched with an inset of genuine onyx, cast white metal spindle. 1¼ inch fine engraved shafting. 19 inch diameter, hand tailored pleated silk shade, self fold trim at bottom and clever ribbon trim at top. Finished in Bronze plated.

No. 721—Weight each, 29
lbs. Each .....\$12.00
Dep't-2 TJA
Packed individually.

#### 6 WAY LIGHTING



63 inches high, an article of beauty with cast 3 candle light arm, heavy cast spindle, insert of rich 5 inch onyxette, 1¼ inch fine engraved shafting. 19 inch diameter pleated egg shell color silk shade. Finished in ivory and gold.

No. 715—Weight each, 25 lbs. Each ......\$10.95

Dep't-2 Tvz

Packed individually.

#### 6 WAY LIGHTING

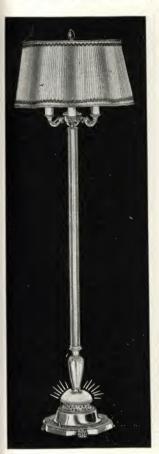


63" high, a characteristic refined type of floor model, rich in design treatment, 11/4" engraved reeded tubing. The shade is 19" diameter, hand tailored pleated silk with self fold trim at bottom and fancy braid trim at top. Light Gold finish shade to match bronze plated base.

No. 714—Weight each, 28 lbs. Each ......\$10.95 Dep't-2 Tvz

Individually packed.

#### 7 WAY NITE LITE



63 inches high, 7 way Nite-Lite feature mounted in a beautiful filagree cast collar on built up cast base, surmounted with dignified cast spindle and cast arm. Shade is 19 inches in diameter, with scalloped bottom shaped frame, and artistically braid trimmed. Finished. in Bronze plated Complete with Mazda Nite-Lite bulb.

No. 716—Weight each, 29 lbs. Each .......\$12.50 Dep't-2 7XA

Individually packed.

#### 7 WAY NITE LITE



63 inches high, a stunning massive constructed base with 5 inch onyxette insert, equipped with the 7 way nite-lite feature, and 10 inch glass reflector, 11/4 inch skip reeded tubing. Shade 19 inches in diameter hand tailored pleated silk, braid trim top and bottom. Finished in Ivory and Gold. Complete with Mazda Nite-Lite Bulb.

No. 705—Weight each, 27 lbs. Each ......\$10.50 Dep'1-2 TZA

Individually packed.

#### 7 WAY NITE LITE



63 inches high, a neat refined model embracing ex5 inch genuine onyx insert,
quisite details for design,
1¼ inch neatly etched tubing, smartly designed castings at bottom and top.
Equipped with 7 way NiteLite feature. 19 inch diameter shade, richly hand
tailored pleated silk, simple braid trim top and bottom. Finished in Ivory and
Gold. Complete with Mazda Nite-Lite Bulb.

Individually packed.

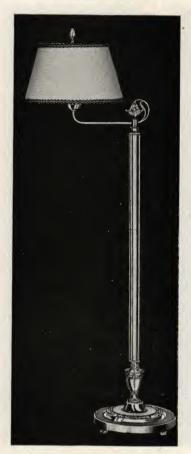
#### 7 WAY NITE LITE



63 inches high, a style of regal beauty, richly embellished with 5 inch genuine onyx insert, cast spindles top and bottom, massive cast arm, 11/4 inch engraved tubing. Equipped with 7 way Nite-Lite feature. The 19 inch diameter shade is space swirl pleated, and trimmed in combination of ribbon braid and silk cord. Walnut grain base with beige color shade. Complete with Mazda Nite-Lite bulb.

Bulbs not included in prices - Must be purchased separately

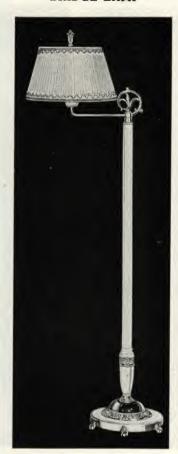
#### BRIDGE LAMPS



58 inches high, indirect student bridge model, executed in refined decorative styling, heavy cast base neatly designed. 8 inch white glass diffusing bowl, 1¼ inch engraved shafting. 13 inch diameter quilted vellum parchment shade. Finished in Bronze plated.

Individually packed.

#### BRIDGE LAMP



58 inches high, a well designed indirect student bridge model, richly embellished with a 5 inch insert of onyxette, heavy cast base and decorative student bridge arm. 1½ inch engraved shafting, 8 inch white glass reflector. 12 inch diameter hand tailored silk shade smartly braid trim top and bottom.

Finished in Ivory and Gold.

No. 703—Wt. each, 22 lbs. Each ......\$8.95
Dep't-2

Individually packed.

#### SWING ARM BRIDGE LAMP



58 inches high, swing arm student bridge type lamp, artistically designed base heavily weighted to prevent tipping, the easy action arm provides light where you want it. 1½ inch fine space reeded tubing. The shade is hand tailored pleated silk 14 inches in diameter, attractively braid trimmed top and bottom. Finished in bronze plated.

 No. 708—Wt. each, 26 lbs.

 Each
 \$10.50

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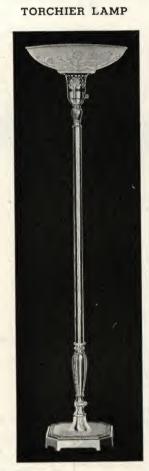
Individually packed.

#### TORCHIER LAMPS



63 inches high, a graceful designed torchier lamp, trim in detail and carried in a new period motif. 14 inch in diameter ivory reflector bowl, ideal for that dark corner. 5 inch onyxette insert, 1¼ inch reeded tubing. 300-200-100 watt mogul socket. Finished in bronze plated.

Individually packed.



63 inches high, a masterpiece of simplicity and stately beauty, a torchier lamp for the finest of homes, heavy weighted base embellished with rich engravings, 16 inch diameter reflector bowl in smart relief design of new gold color, 1½ inch fine engraved shafting, mogul socket allowing 300-200-100 watt lighting. Finished in Flemish Bronze.

 No. 738—Wt. each, 30 lbs.

 Each
 \$16.25

 Dep't-2
 02TA

 Individually packed.



# LIGHTING EQUIPMENT Wheeler

#### STANDARD REFLECTORS

These reflectors have 2¼ inch neck, used with shade holders listed on page 1853.

#### STANDARD DOME REFLECTORS



1	Watts	Pkg.	Ins.	Each
	Lamp	Std.	Dia.	List
No. HC-75	50- 60	10	12	\$1.90
No. HC-100	75-100	10	12	1.90
No. HEC-150	110	10	14	2.20
No. HEC-200	200	10	16	2.60
	BOWL REFI	LECTORS		



	Lamp	Std.	Dia.	List
	Watts	Pkg.	Ins.	Each
No. PC-40	25- 40	10	5	\$0.95
No. PC-60	50- 60	10	7	1.50
No. PC-100	75-100	10	8	1.60
No. PEC-200	150-200	10	10	2.20

#### ANGLE REFLECTORS



	Lamp	Std.	Dia.	List
	Watts	Pkg.	Ins.	Each
No. NC-40	25- 40	10	7	\$1.15
No. NC-60	50- 60	10	8	1.45
No. NC-100	75-100	10	8	1.45
No. NEC150	150	10	10	1.95
No. NEC-200	200	10	10	2.60

### SHALLOW DOME REFLECTORS



	Lamp	Std.	Dia.	List
	Watts	Pkg.	Ins.	Each
No. DC-40	25- 40	10	10	\$1.25
No. DC-60	50- 60	10	12	1.45
No. DC-100	75-100	10	12	1.70
No. DEC-150	150	10	14	1.90
No. DEC-200	200	. 10	16	2.50

### SPECIAL LINE PORCELAIN REFLECTOR



For Standard 21/4 inch Shade Holders

		Diam.	Lamp Watts	Std. Qty.	Pkg. Wt.	Each
No.	766	10	50-60	10	11	\$0.80
No.	766A	12	75-100	10	15	.95
No.	766B	14	150	16	18	1.20

#### PAINTED METAL SHADES

All for standard 21/4-inch Shade Holders.

WITH TYPE A COLLAR FLAT CONE



25 in a standard package.

#### DEEP CONE



#### ISLAND LIGHTS

#### Wheeler



For Lighting—Gasoline Pump Islands, Taxi Cab Stands, Shipping Platforms, Railroad Platforms, Safety Islands, Docks and Yards, Driveways and Courts, Service Stations.

A new Wheeler outdoor lighting unit. Attractive in appearance and thoroughly modern in design this new unit provides a uniform distribution of light over a relatively broad area. Glare is practically eliminated by the deep deflector which shields the lamp filament. All glare from the lamp neck is eliminated by the conical metal housing which surrounds the socket and the lower portion of the lamp.

Unit consists of a porcelain enameled steel reflector which is supported from a cast hub by means of three steel supporting rods. The cast hub slips over 2-inch pipe and is held securely in place by means of two large set screws. Surrounding the upper portion of the hub is a sliding metal housing which shields the socket and lamp neck from view.

Wiring—The socket is easily made accessible for wiring by loosening a holding screw on the metal housing, which allows the latter to be turned and lowered down over the hub. ReLamping—The installing of lamps into these fixtures can be done quickly and easily due to the fact that the lowering of the metal housing provides complete freedom of movement.

Finish—Reflectors are porcelain enameled green or red outside, white inside. Housing and cast hub are finished in same color in which reflector is ordered.

No. 2589R-Finsh Red. Otherwise same as above. Each... 11.50

Note—Ordinary 2-inch Black or Galvanized Pipe for use with above must be purchased extra.

# LIGHTING EQUIPMENT

# Wheeler

#### MOISTURE AND DUST PROOF UNITS

#### Oamco





No. 1134

No. 1134D

These units are made for use in flour mills, grain elevators, engine rooms, and damp places where electrical connections and lamps must be protected from moisture or noncombustible dust.

Fixtures consist of hood made of copper, porcelain socket, and heavy, steam-tight globe. A gasket between the hood and globe makes it tight. The hood is finished aluminum bronze.

#### Fixtures Without Wire Guards.

		Lamp Siz	e Top Pipe	Std.	Wt.	List
		Watts	Thrd. Size	Pkg.	Each	Each
No.	1134	25-60	½ in.	10	2	\$2.10
No.	1134A	75-150	½-in.	10	3	2.65

#### Fixtures With Wire Guards.

No. 1134D	25-60	½ in.	10	21/2	\$3.10
No. 1134E	75-150	½-in.	10	31/2	4.25



#### DUREX REFLECTORS



Wheeler Durex Fixtures embody the patented Wheeler screw ring construction, having an aluminum screw ring that provides a cushion grip on the porcelain enameled threaded neck of the reflector. No set screw is required to keep re-flector in place. No washers, flector in place. lock nuts, or yokes are required.

Canopies are short, allowing socket to be exposed when the re-

flector is removed.

Special baffle plate is designed in one piece with Durex Reflectors and directs all light downward, providing additional reflecting surface and preventing light loss. Durex Reflectors are interchangeable in the various types of Durex Canopies. Reflectors are porcelain enameled steel, white inside and green outside.

#### STANDARD DOME REFLECTOR ONLY

Wattage

		wallage			
		Mazda	Dia.	Std.	List
		Lamps	ins.	Pkg.	Each
No.	1043	60-75	12	10	\$2.20
No.	1042	100	12	10	2.20
No.	1044	150	14	10	2.40
No.	1046	200	16	10	3.00
No.	1048	300-500	18	5	3.70
No.	1049	750-1000	20	5	5.60
		SHALLOW DOME	REFLECTOR	ONLY	
No.	1053	75	12	10	\$2.20
No.	1052	75-100	12	10	2.20
No.	1054	150	14	10	2.40
No.	1056	200	16	10	3.00
No.	1058	300-500	18	5	3.70
		STANDARD BOWL	REFLECTOR	ONLY	
No.	1060	100	8	10	\$2.00
No.	1062	200	10	10	2.40
No.	1063	300-500	12	5	3.60
No.	1065	750-1000	15	5	4.80
		STANDARD ANGLE	REFLECTOR	ONLY	
No.	1070	100	8	10	\$1.85
	1071	200	12	10	2.85
	1072	300-500	14	5	3.35
No.	1073	750-1000	16	5	6.00

#### DUREX CANOPIES ONLY Tapped For 1/2-inch Pipe





	1100.	1044	and 1025
			Socket At
Vo.	1022		Medium
Vo.	1023		Mogul
No.	1020		Medium
No.	1021		Mogul



Stamped Outlet Box Canopy For 4-in. Outlet Boxes

	No.	1024 and 1025
		Socket Att'd
No.	1024	Medium
No.	1025	Mogul
No.	1028	Medium
No.	1029	Mogul



Standard Stamped Canopy No. 1020 and 1021 Std. Pkg. Ship. wt. lbs. Each 10 14 \$1.30 5 9 1.80 10 1.10 1.60



Pendant Canopy With Cord Grip

NO.	1028 and 1029	
Std. Pkg.	Ship. wt. lbs.	Each
10	10	\$1.10
5	5	1.60
10	10	\$1.20
5	8	1.70

# LIGHTING EQUIPMENT Wheeler

#### ARCOLUX SIGN REFLECTORS

A new and improved two-piece reflector for intensive lighting of small circular and oval signs.



Arcolux is equipped with a rugged, separable canopy of cast iron, to which the reflector is attached by means of a lug and set screw. The canopy can be wired in the shop and the reflector attached afterwards, either in the shop or on the job. Wiring is a simple operation; pipe and wires lead straight into a side outlet in the canopy, and no bends or elbows are required. The side pipe outlet is tapped for ½-inch pipe. The socket has a removable shell which is easily unscrewed and removed, thereby exposing the contact screws for wiring.

	Lamp Watts	Diam. in.	Std. Pkg.	Each
No. 2490	60	8	10	\$2.20
No. 2491	75-100	8	10	2.20
No. 2493	150-200	10	10	2.50

Note-Can be supplied with top outlet instead of regular outlet at same price.

# TWO-PIECE ISOLUX SIGN REFLECTOR

Because of its design, Isolux as-sures the most efficient illumination for signboards and other ver-The rectangular tical surfaces. Isolux light outlet allows the flat reflecting planes to throw the light over the entire board, right to the farthest corners. Broad, even illumination is provided, with no high lights or shadows. The high lights or shadows. The straight line cut-off at the top prevents wasted or lost light. Fewer Isolux units are required per board, because of this superior distribu-



The body of Isolux Sign Reflectors is drawn in one piece. They are heavily porcelain enameled, white inside and standard green outside.

		Lamp	Socket	Tapped	Outlet	Each
		Watts	Base	in Canopy	ins.	List
No.	2451	100	Med.	1/2	8%x11½	\$3.50
No.	2452	150	Med.	1/2	8%x11½	4.20
No.	2453	200	Med.	1/2	8%x11½	4.20
No.	2454	300-500	Mogul	1	13% x11½	8.70
		All above	8 in a s	tandard	package.	

Note-Can be supplied with top outlets instead of regular side outlet at same price.

#### NEW JUMBO ISOLUX FLOODLIGHT



Jumbo-Isolux Floodlight is a unit designed and constructed to meet present-day floodlight requirements for gasoline stations, parking lots, roadside inns, etc.

The floodlight body itself is both pleasing and efficient in design. The unit consists of a reflector and cast aluminum bracket with a socket set inside. It has incorporated in it a unique bracket construction which permits, in addition to the usual horizontal and vertical adjustment, the added design the usual horizontal and vertical adjustment, the added design the feature of being able to disconnect the reflector body from the rest of the bracket as a unit. This means that the fixture may be readily brought to the ground for relamping and cleaning, without disturbing the wiring in any way. Equally well the reflector could be stored during the winter, and replaced in the spring with a minimum effort.

The method employed for vertical adjustment is a marked improvement over previous ones, in that there is a ratchet-like device which carries the weight of the fixture during adjustment, and provides for clamping in the final position by means of a clamping screw.

The body of the Jumbo-Isolux Reflector is heavily porcelain enameled white inside and standard green outside.

The pole top bracket slips over a 2 inch pipe.

#### TYPES OF INTERIOR REFLECTORS







The large, efficiently designed porcelain enameled reflector (Fig. 1) provides evenly diffused light for general illumination of large areas. In addition, the following types of auxiliary interior projectors are available.

An etched aluminum projector for short range purposes, which intensifies or builds up the illumination more or less over the entire area.

B. A bright, polished metal projector for medium range use, which builds up the intensity of light in that area most remote from the unit. (See Fig. 2).

No. 2540—Floodlight with porcelain enamel reflecting surfaces.

Lamps 750-1500 watts. Ship. weight 30 lbs. Each .....\$28.00

No. 2541—Floodlight with semi-diffusing auxiliary interior. Lamp 750-1500 watts. Ship. wt., 31 lbs. Each .......\$31.00 No. 2542—Floodlight with bright polished auxiliary interior. Lamp 750-1500 watts. Ship. wt., 31 lbs. Each .....\$34.00 Prices do not include lamps.

# LIGHTING EQUIPMENT

# PROJECTOR AND REFLECTOR LAMP BRACKETS Indoor Type



For interior feature flood and spot lighting. Can be set on floor, table, or shelf, can also be mounted on walls. Heavy cast base well balanced. Equipped with swivel to permit adjustment of light to any position.

Base: 35/8 inches wide by 6 inches long.

Finish: Brown Ripple.

No. 958—Indoor Bracket. For use with PAR 38 Projector or R40 Reflector Lamps. One to a carton. Weight each, 

#### PORCELAIN SWIVEL SOCKET



Produced especially for the new reflector and projector Lamps but can be used with any type of ordinary lamp. Will fit any medium base receptacle. Special spring center contact permits adjustment to many positions.

No. P32—Glazed Porcelain Swivel socket. Unit carton 5 

All Items in this catalog are Products of the Leading Manufacturers in their respective lines. We are firm believers in High Quality Merchandise at attractive prices.

## LIGHTING EQUIPMENT

#### STANDARD IRON BRACKET

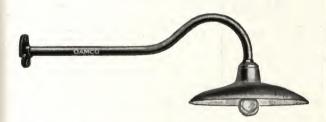


Wheeler Standard Iron Gooseneck Bracket, 30x½ inch pipe, galvanized, with flange, is useful when reflectors are to be installed from walls. Adaptable for the lighting of shipping platforms, yards, etc

No.	226—Complete	with	flange.	Shipping	weight	40	pounds.
Eac	h						\$0.95

No.	227-Bracket or	aly. Ship. we	eight 30 pounds.	Each	.60
No.	228-Flange on	y. Ship. weigh	ght 10 lbs. Each		.35
		0 in a stands	ard package		

#### YARD LIGHTS



Flat Cone Reflector with Gooseneck, complete as shown.

Porcelain enameled steel reflector, porcelain socket, ¼ inch
gooseneck bracket and flange. Finish—Electro Galvanized.

No.	Size inches	Lamp Size Watts	Overall Length, inches	Standard Package	Weight Each, lbs.	List Each
877E	12	75—100	27	5	484	\$2.75
877A	14	150	28	5	514	3.00

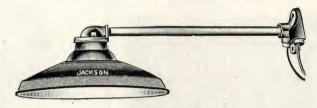


A well made medium priced Yardlight equipped with porcelain enameled steel shallow bowl type reflector. Composed of 19-inch long %-inch galvanized gooseneck and flange and weatherproof socket. Gooseneck wired with No. 14 wire.

		Size	Lamp size watts	Wt. ea. lbs.	Each
No.	8920	10-in.	40- 60	4	\$2.25
No.	8922	12-in.	75-100	41/2	2.50
	8924	14-in.	150	5	2.75
		A harra maalra	d E to standard	nnalznaa	

Above packed 5 to standard package.

#### YARD LIGHTS



With Bushed Flange

Consists of electro galvanized ½ inch conduit bracket wall flange, with porcelain bushings, lag screws, porcelain enameled reflector finished green outside, reflecting side white and porcelain socket.

Wired complete ready to install. Carries underwriters label.

Nos.	8972	8974
Diameter of reflector, inches	12	14
Use with lamp size, watts	100	150
Overall length, inches	26	27
Weight each, pounds	4	41/2
Each	\$2.50	\$2.75
Packed 5 to standard pack	age.	

#### **OUTDOOR LIGHT**



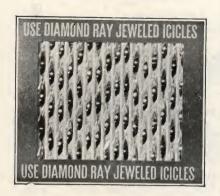
The No. 6950 outdoor bracket has an aluminum arm and canopy and a porcelain enamel reflector which makes it completely rust-proof and weatherproof and designed to last a life time. It is designed for better grades of homes, garages and public buildings where a quality outdoor light is required and takes up to a 100 Watt lamp.

#### WEATHERPROOF SOCKET



#### DECORATIVE OUTFITS

#### JEWELED ICICLES



Easily put on with thread. Ornamental at all times and the least vibration produces an optical illusion pleasing to look at. Weight per dozen packages, ½ pound. Put up in package containing 16 icicles. Jeweled Icicles-Per pkg. ..

Suggested retail price \$0.10 per pkg.



12-inch Holly Wreath. Glazed leaves. Equipped with C71/2, 110 volt Mazda lamp and 6 foot rubber lamp cord to match with tri-plugattachment plug. 110 volt.

\$1.30 No. 1502—Each .....

Suggested retail price \$0.95 each.

12-inch Wreath, C71/2 Tungsten Bulbs. 110 Volt.

No. 10T-Each . Suggested retail price \$0.59 each.

9½-inch Wreath, C9½ Tungsten Bulbs. 110 Volt.

No. 1T-Each Suggseted retail price \$0.39 each.

#### CELLOPHANE BELL



Two 5-inch illuminated Red bells in cluster. 12-inches overall. Constructed from several thicknesses of cellophane. Will not warp or buckle. One to attractive display carton.

No. 300 Noma Bell. Each Suggested retail price \$1.35 each.

Electrified 4-inch illuminated Red Cellophane Bell trimmed with Red Foil Ribbon, Promotes Yuletide cheer when placed in window, over mantel, in archway or other vantage point about home. One to display carton.

No. 307 Noma Bell. Each Suggested retail price \$1.00 each. \$0.10 per package.

# DIAMOND RAY REFLECTORS



Diamond Ray Reflectors made of highly polished aluminum are a new creation for decorations and Christmas tree lighting. Four beautiful designs about three inches in diameter. Put up 8 assorted designs and colors to a package.

No. 2-Per package ... Suggested retail price \$0.15 per pkg.

#### CELLOPHANE WREATH



Size 91/2 Red Cellophane Wreath with C71/2 Tungsten Lamp inserted in candle.

No. 101—Each .....

Suggested retail price \$0.49 each.



8 light loop series outfit with Plain Bakelite Cap and C6 Tungsten lamps. 110 volts



8 Light Series loop type outfit with add-on and C-6-15V Mazda Lamps. 110 volt.

No. 104-110V—Each ... 32 Volt.

No. 104-32V—Each ...... 96c
Suggested retail price \$0.75 each.



8 Light Series Loop outfit with Addon connector and patented adjustable berry beads. Uses C6-15V Mazda No. 110—

110 Volt. Each ..... PLoL Suggested retail price \$0.85 each.



7 light Multiple outdoor weatherproof outfit. With addon extension connector at end. Uses C9½T Tungsten Lamps. 110 Volt.

#### **DECORATIVE OUTFITS**



7 Light Multiple Outdoor weatherproof straight line outfit with wires running through sockets and with extension connector at end. Uses C9½ Mazda 110V lamps. 110 volt.

No. 3005—Each ...... \$2.44 15 light otherwise same as above. Suggested retail price \$1.85 each.

No. 3215—Each ....... \$5.00 Suggested retail price \$3.75 each. Similar to 3005 except shorter in length. Uses C9½ Mazda lamps.

No. 3007—Each ...... \$2.20 Suggested retail price \$1.65 each.



7 Light Multiple Outdoor all rubber weatherproof straight line outfit. Snow Rain or heat cannot affect weather resistant rubber. Patented snap-on device for attaching sockets to branches. Add-on extension. Uses C9½ Mazda 110 volt lamps.

No. 3003—Each ..... \$3.20 Suggested retail price \$2.30 each.

15 light otherwise same as above.

No. 3004—Each ..... \$6.30 Suggested retail price \$4.50 each.



No. 190—8 Light Multiple outfit. Equipped with battery clips for use with 6 volt Storage battery, Hot-Shot or Windcharger. Uses C66 Mazda 6



7 Light Multiple Indoor outfit with addon. Uses C7½T—Tungsten lamps.



7 Light Multiple Indoor Outfit with add on and patented adjustable berry beads. Uses C7½—110 Volt Mazda lamps.

No. 3010—110 V. Each... \$1.80 Suggested retail price \$1.35 each.

No. 3415—15 light otherwise same as above.

Similar to No. 3010 except made shorter and less berry beads. Uses C7½, 110V Mazda Lamps. \$1.68

Suggested retail price \$1.25 each.

#### NOMA HALOS



Halos are smooth, round pieces of transparent composition which fit easily over the lamps. The outer edge is beveled, catches the light, and creates a glowing Halo around the lamp. They are particularly effective on the tree, on an illuminated wreath in the window, or on candles for the mantle. Noma Halos to fit C7½ Mazda Lamps. Packed 25 to display box. One halo wired and ready to be plugged in socket. An illuminated halo will demonstrate and sell itself. Weight per box, 1 lb.

No. 2007—Per 100 ..... \$9.80 Suggested retail price 2 for 15c.

Noma Halos to fit C9½ Mazda Lamps. Packed 25 to wired display box. Weight per box, 2 lbs.

No. 2008—Per 100 .... \$30.00 Suggested retail price \$0.25 each.

# TREE TOP ANGEL Noma



The Noma Tree Top Angel is the latest innovation in Christmas Lighting decorations. The winsome expression of this doll-like figure is surrounded by a glowing halo of light. Silver wings and white dress add to the illusion of angelic charm.

Equipped with a C-7½ Mazda Lamp and Noma Halo. Extension cord and open outlet makes it easy to attach to Christmas Lighting Sets. Attractively packaged for eye-catching sales appeal.

No. 700—Each ....... \$1.76 Suggested retail price \$1.25 each.

Same as above excepting not illuminated or equipped with Halo.

No. 4—Each ...... 70c

Suggested retail price \$0.50 each.

#### CANDOLIERS Noma



An ornament of distinctive charm. Three beautifully tapered candles in a simple but smart looking base. Equipped with 120-volt C-7½ Mazda Lamps. Halo device imparts a radiant glow around each lamp. A sprig of Holly across the candles adds a touch of Christmas gaiety to this attractive decoration.

No. 164—Each ...... \$3.15 Suggested retail price \$2.35 each.



A beautiful and artistic candolier with tapered candles. Equipped with C-7½ 120-volt Mazda Lamps and Halo device which produces a beautiful glow effect. The bright poinsettia and sprig of holly add an attractive touch to this unusual decoration. Strikingly effective when placed in the window, on the mantle or buffet and as a centerpiece for the equal.

- DEP'T-T-Entire Page AZ% -

# MAZDA LAMPS AND TREE HOLDERS

#### MAZDA CHRISTMAS LAMP ASSORTMENT



A handy and attractive counter display carton containing 100 assorted C6-15 volt Mazda Lamps. Consists of 30 Blue, 20 Red, 20 Green, 20 Orange and 10 White.

V	0.	C6	X								F	9	21	A	ss'	t.
	3	As	sortm	er	nts	٠								.\$1	3.8	30
	L	ess	than	3	ass	SO:	rt	m	er	ıt					7.3	36

### MAZDA LAMPS



Miniature base. Packed 10 to a carton of one color. Colors: Red, white, blue, green and orange.

Per 100

No. C6-15 Volt.

300 lots\$6.80
Less than 300 7.36
No. C64-4 Volt for 32 volt Systems.
300 lots
Less than 300 7.36
No. C66—6 Volt for 6 Volt Systems. 300 lots\$6.80 Less than 300

#### TUNGSTEN LAMPS

No. C6	T-					
1000	lots				\$2	.50
Less	than	1000 .			2	.80
Note	-C67	r pack	red :	100 :	assor	ted
colors	to sta	andard	pack	age.	We	do
not bre	eak th	ese pa	ckage	S.		

#### MAZDA LAMPS



Counter display carton contains 25 assorted C7½ Mazda Lamps. Consists of 5 each color, Red, green, blue, white and orange.

No.	C71/2X-	Per Ass't
4	Assortments	\$2.50
L	ess than 4 Asso	ortments 2.60



Candelabra base. Outside colored. for indoor use.

Packed 10 to a carton of one color.

Colors: Red, green, blue, white and orange.

No.	Per 100	
	100 lots	\$10.00
0	Less than 100	10.50

#### TUNGSTEN LAMPS

N	o. C	7½T	_						
	100	lots			 	 	 	.\$	5.50
	Les	s tha	n	100	 	 			6.30

#### MAZDA LAMPS



Intermediate base. Inside colored for outdoor use.

Packed 10 to a carton of one color. Colors: Red, white, blue, green and orange.

No.	C9½-110-120	Per 100
	100 lots	
7	Less than 100	 15.20
No.	C91/2-32 Volt	

#### TUNGSTEN LAMPS

No. C	9½T—							
								.\$6.30
Less	than	100	lots				8	. 7.00

#### MAZDA LAMPS



Miniature base. Packed 10 to a carton of one color. Colors: Red, Green, blue, white and orange.

No.	C4½-15 Volt.	Per 100
	100 lots	\$10.00
	Less than 100 lots	10.50

#### JIFFY OUTLET FLASHER



The Jiffy Outlet Flasher is about the size of an ordinary Plug Cap. Gives rapid and continuous flashing.

Capacity 100 watts. 125 volts.

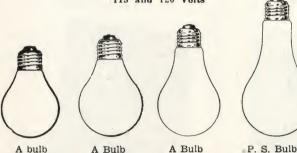
No. 2413—Per 100 .... \$18.70

A bulb

#### G. E. MAZDA LAMPS

# GENERAL SERVICE LAMPS

115 and 120 Volts



		9	G433	LIST	PRICE
Watts	Bulb	Screw Screw Base	Standard Package Quantity	Clear	Inside Frosted
*71/2	G-11	Medium	120		\$0.10
15	A-15	Medium	120		.10
25	A-19	Medium	120		. 10
40	A-19	Medium	120		.13
50	A-19	Medium	120		.13
60	A-19	Medium	120		13
75	A-21	Medium	120	\$0.20	.15
100	A-23	Medium	120	. 20	. 15
150	A-25	Medium	60	.20	. 20
200	PS-30	Medium	60	. 27	.27
300	PS-35	Medium	24	45	.50
300	PS-35	Mogul	24	. 65	. 70
500	PS-40	Mogul	12	1.10	1.20
750	PS-52	Mogul	6	3.25	
1000	PS-52	Mogul	6	3.50	
1500	PS-52	Mogul	6	5.25	

\* This lamp is outside white finish (not inside frosted Also available in outside Red.

Outdoor Service—The 40 watt and larger lamps of the standard line are Mazda C (gas filled) lamps and should not be generally used out of doors, unless protected from rain or snow.

# COUNTRY HOME LIGHTING SERVICE

# STANDARD LINE

28-32 Volts or 34 Volt

Watts	Bulb	Screw Base	Std. Pkg. Qty.	28-32 Each	34 Each
15	A-17	Medium	120	\$0.20	\$0.24
25	A-19	Medium	120	.20	.24
50	A-21	Medium	120	.20	.24
100	A-23	Medium	120	.33	.37

# GE TYPE D LAMPS

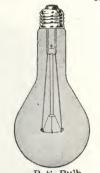
#### 115 and 120 Volts

Watca	Bulb	Standard Package Quantity	List Price
‡30 60	G-19	60 60	.10

Supplied inside frosted or outside colored in red, green, blue, amber-orange, white ivory or flametint.

#### GENERAL SERVICE DAYLIGHT

115 and 120 Volts





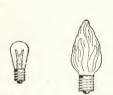
P. S. Bulb

A Bulb

				LIST	PRICE
Watts	Bulb	Screw Screw Base	Standard Package Quantity	Clear	Inside Frosted
60	A-21	Medium	120	\$0.40	\$0. <b>2</b> 5
100	A-23	Medium	120		.25
150	A-25	Medium	60		.45
200	PS-30	Medium	24	.70	.75
300	PS-35	Mogul	24	1.10	1 20
500	PS 40	Mogul	12	1.85	1 98

#### DECORATIVE SERVICE

115 and 120 Volts







S6-Bulb

F-10 Bulb

F-15 Bulb

G-Bulb

Watts	Bulb	Screw Base	Std. Pkg. Qty.	List Price
x6	S6 Clear	Candelabra Candelabra Medium	120	\$0.15
†15	F-10 Flametint		60	.20
‡25	F-15 Flametint		120	.15
*25	G-18½ White	Medium	- 120	.30
§25	G-25 White	Medium	60	.35
§40	G-25 White	Medium	60	.35

xRed finish can be supplied at 25c.

Z %

- †White or ivory finish can be supplied at 20 cents.
- †This lamp can be supplied white or ivory at 15 cents.
- \*This lamp can be supplied, Flametine or Ivory at 30 cents. This lamp can be supplied in fiametint or ivory at 35 cents

#### TO PURCHASERS WITHOUT CONTRACT

Minimum List Value for Immediate

Delivery to One Point: Discount Less than \$5.00 ...

\$5.00

List

Each

\$0.50

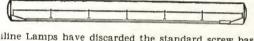
#### G. E. MAZDA LAMPS

# INSIDE COLORED LAMPS



Red. Blue Green Yellow Ivory Amber Old Rose Std. Orange Flame Bulb Pkg. Qty. List Price A-19 120 \$0.19 \$0.19

LUMILINE LAMPS 115 and 120 Volts



Lumiline Lamps have discarded the standard screw base for a contact disc which fits a thin special socket at either end. lamps may be used either exposed or in a variety of newly designed reflectors. They have a wide application to modern decorative lighting, particularly where light is wanted for decoration as well as illumination. Very desirable for lighting paintings and mirrors, niches, for decorative ornaments on walls, pillars and ccunters, and for cove lighting, especially in specialty shops, restaurants, theatres, lobbies, etc.

Made in the following colors-Clear, white, orange, moonlight blue, emerald and surprise pink,

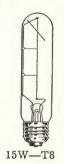
Watts

25

							st Pric	e
			Lgth.				In	side
5X7 - 44 -	D 11	*	Ov'l	Std.			Whi	te &
Watts	Bulb	Base	Ins.	Pkg.	C	lear	Co	lors
*40	T-8L	Disc.	12	24		0.75		
†60					ΦI		<b>\$</b> U	.85
	T-8L	Disc.	18	24		.85		.95
* Reg	gularly	carried in	stock	in inci-	ah	white	only	The
othor of	Jana am	a amailable	C	111 11151	ue	WILLIE	omy.	THE
orner co	nors ar	e available	rom	factor	V.			

#### SEWING MACHINE BULBS 115-120 Volt





Each Overall Std. Each Outside Watts Bulb Base Lgth. Pkg. Clear White **T7** D.C. Bayonet 15 25/8 \$0.28 15 T8 Candalabra 316 \$0.35 Note: The above bulbs are numbers most in demand. Other types can be ordered special when make, number etc., applying to sewing machine is given.

REFLECTOR SHOW CASE LAMPS 115 and 120 Volts



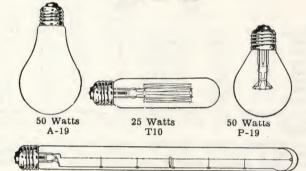
Made with a permanent highly-efficient inside-aluminized reflecting surface, covering slightly more than onehalf of the bulb.

Length

Std.

Bulb Rase Overall Pkg. 25 Watts T10R Medium 55/8 60 LIMITED LIGHTING SERVICE

# 115 and 120 Volts



		40 Watts	5		
Watts	Bulb	Base	Lgth.	Std.	List
25 25 40	T6½ clear T10 clear T8 clear	Intermediate Medium Medium	Overall ins. 5½ 55% 11%	Pkg. 60 60 24	Each \$0.35 .25
*50	P19 clear mill	Medium	315	120	.20

Six in a carton \*This lamp is recommended where vibration prevails such as is produced by heavy or high speed machinery.

†ROUGH SERVICE LAMP-Inside Frosted Bulb Volts Each 50. Watt A-19 115-120V

\$0.25 100 Watt A-23 115-120V .35 The above lamps are fitted with medium screw base.

†This lamp is recommended where subjected to rough handling such as in extension cord service.



S-11 Bulh



Bulb	Screw Base	Std. Pkg. Qty.	List Price
S-11 Clear S-14 Clear	Intermediate Medium	120   120	\$0.15 .13
	S-11 Clear	Base S-11 Clear Intermediate	Bulb Screw Pkg. Qty.  S-11 Clear Intermediate   120

\*Supplied inside colored in red, blue, green, yellow, amberorange, flametint and white at .20 cents. These lamps are also suitable for sign lighting service.

tAlso available Red, Blue, Green, Yellow, Amber, Orange and Old Rose at \$0.18 each list.

TO PURCHASERS WITHOUT CONTRACT

Minimum List Value for Immediate Delivery to One Point: Less than \$5.00 ...... Discount Z % \$5.00 ... X Z %

such a standard package may not be of different specifications.

# G. E. MAZDA LAMPS

# SPOTLIGHT AND FLOODLIGHT SERVICE



				Light Ctr.	Over-	Std.	List
****	Dealle	Dane	Service	Lgth.	Lgth.	Pkg.	Clear
Watts	Bulb	Base					
100	P-25	Med.	Spotlight	3	43/4	60	\$0.80
250	G-30	Med.	Spotlight	3	51/8	24	1.15
250	G-30	Med.	Floodlight	3	51/8	24	1.15
400	G-30	Med.	Spotlight	3	51/8	24	1.75
500	G-40	Mog.	Floodlight	41/4	716	12	2.10
1000	G-40	Mog.	Floodlight	51/4	8	12	5.00
*1000	G-40	Mog.	Spotlight	51/4	8	12	5.00
* Mog	ul screw	hase la	amp, with c	enter le	ngth of	41/4	inches.

\* Mogul screw base lamp, with center length of 4¼ inches, can be supplied at \$5.75. Orders should specify light center length.

These lamps, except 1000 watts, can be burned in any position except within 45 degrees of vertically base up. The 1000-watt lamps can be burned in any position from vertical base down to horizontal.

()rders for the above lamps must definitely specify the voltage wanted.

# SILVERED BOWL LAMPS



Silvered bowl lamps have a permanent coating of mirror silver on the bowl. This coating forms a highly efficient reflecting surface that does not dull or tarnish throughout the life of the lamp.

				List price
	Type	Size	Standard	Inside
Watts	Bulb	Base	Pkg.	Frosted
60	A21	Med.	120	\$0.23
100	A23	Med.	120	.25
150	A25	Med.	60	.45
200	PS30	Med.	24	.62
300	PS35	Mogul	24	1.10
500	PS40	Mogul	12	1.70

#### REFLECTOR LAMPS 115-120 Volts



The G-E- MAZDA Reflector lamp is one of conventional filament and glass bulb. It employs the same kind of inside mirrored surface as the new Projector lamps but since it is made of ordinary glass, it must be protected from the weather. The end of the Reflector lamp is inside frosted

TIOD	ccu.			- 3 1 4			
				(	Overall	Std.	List
		Service	Watts	Base	Lgth.	Pkg.	Each
No.	R40S	Spotlight	150	Med.	$6\frac{1}{4}$	12	\$0.95
No.	R40F	Floodlight	150	Med.	61/4	12	.95

PROJECTOR LAMPS 115-120 Volts The Projector Spot



For use in Stores of all types where a high intensity, accurately controlled beam is essential to direct attention to featured displays in windows and on counters. In Factories to facilitate inspection for quality and to direct large quantities of light on the working areas of machines where safety and accurate seeing are of prime importance. In Offices where down-lighting of high intensity is required for specific operations. For out-door applications.

#### The Projector Floor

For uses as described above but where a wider beam spread is required. For use Outdoors to light signs, buildings, gardens, used car lots, etc. G-E Mazda Projector lamps may be used wherever reflectors must be free from the effects of weather, vapor, dust and deterioration.

				Overall	Std.	List
	Service	Watts	Base	Lgth.	Pkg.	Each
No. PAR38S	Spotlight	150	Med.	55/8	12	\$1.40
No. PAR38F	Floodlight	150	Med.	55/8	12	1.40

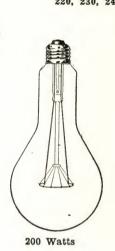
#### TO PURCHASERS WITHOUT CONTRACT

Delivery to One Point:	Discount
Minimum List Value for Immediate	= ~
Less than \$5.00	Z %
\$5.00	X Z %
\$15.00 or a Standard Package	XA%

A standard package of large Mazda lamps or Type D lamps is defined as a package, as packed by the manufacturer, of that "Standard Package Quantity" designated for each lamp in the manufacturer's price schedule, and the lamps in such a standard package may not be of different specifications.

# G. E. MAZDA LAMPS

HIGH VOLTAGE SERVICE 220, 230, 240, 250 and 260 Volts



Bulb

A-19

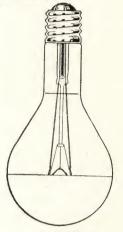
A-21

Watts

25

50

100



500 Watts Standard LIST PRICE Inside Ov'l Std. Frosted Lgth. Pkg. Each

120

120

\$0.22

.22

.31

4 78 A-23 Med. 616 60 INDIRECT LIGHTING THREE-LITE LAMPS

315

Med.

Med.

Med.



Gives three levels of illumination. Requ Particularly built for I. E. S. reading lamps. Requires special socket.

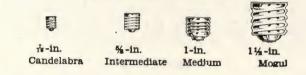
	1151	-120V			
	Screw	Rated Life	Lgth. Over-	Std. Pkg.	Inside Frost-
Watts Bulb 100) G30	Base Three	Hours	all	Qty.	ed
200 G30 300 G30 50 PS25	Contact Mogul Three	1000	613	24	\$0.55
100 PS25 150 PS25	Contact Mogul	1000	63/4	60	.40
30 A21 70 A21 100 A21	Three Con- tact Med- ium	500	5 18	60	.25
50 A25 100 A25 150 A25	Three Con- tact Med- ium	500	518	60	.30

#### WINDCHARGER LAMPS

#### 6 and 12 Volt-Inside Frosted

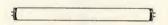
			Overall	Std.	List I	Prices
Watts	Bulb	Base	Length 35/8 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Pkg.	6 volt	12 volt
15	A-17	Med.		120	\$0.25	\$0.30
25	A-19	Med.		120	.25	.30
50	A-21	Med.		120	.35	.40

# ILLUSTRATION OF BASES and Diameter in Inches



#### G. E. MAZDA LAMPS

Fluorescent



Fluorescent Lamps make use of a mercury vapor arc as a source of invisible ultra violet radiation.

The visible light is produced by fluorescent powders, which are applied to the inner surface of the glass tube.

These powders "fluoresce", or glow brightly, in the presence of the ultra violet, and thereby provide a very efficient light source.

Various powders emit their radiant energy at different wave lengths, with the result that a variety of colors can be produced.

The intrinsic brilliance of the Fluorescent Lamps is much lower than that of the almost point source of incandescent lamps, because the light is spread over the entire area of tubes 18 inches to 36 inches long. This will give them a great advantage in reduction of glare when used for direct lighting.

	14-watt 15-inch T-12	15-watt 18-inch T-8	20-watt 24-inch T-12	30-watt 36-inch T-8	40-watt 48-inch T-12
Approx. lumens per					
watt: White	35	39	45	40	
Daylight		33	45 38 1½"	48	53 45 1½*
		4 #	41/#	41 1"	45
Rated Laboratory		1.	1 1/2	1.	1 1/2"
Life, Hours		2500	2500	2500	0.500
Package Quantitas					2500
Package Quantity Each (White or	1	24	24	24	24
Day)	\$0.90	\$0.75	\$0.95	\$0.95	\$1.35
Each (Blue, Green,					
Pink)		,90	1.10	1.10	1,60
Each (Gold or Red)		1.00	1.20	1.20	1.70
		4,00	1.20	1.20	1.70

# TO PURCHASERS WITHOUT CONTRACT

Minimum List Value for Immediate Delivery to One Point: Discount Less than \$5.00 .... Z % \$5.00 ..... \$5.00 XZ% \$15.00 or a Standard Package XA%

A standard package of large Mazda lamps or Type D lamps is defined as a package, as packed by the manufacturer, of that "Standard Package Quantity" designated for each lamp in the manufacturer's price schedule, and the lamps in such a standard package may not be of different specifications.

# **MAZDA PHOTO LAMPS**

#### MAZDA PHOTO LAMPS



A midget photoflash lamp with wide peak of illumination to cover variations in synchronization. Recommended wherever extremely small bulb size is important (24 may be carried in a coat pocket)—for medium distance shots and supplementary lighting for amateur, press and professional photographers. Has great carrying power for distance shots with concentrating reflectors. Contains fine aluminum wire. Flash on batteries only.

#### Synchro Press



A small lamp with wide illumination peak to cover variations in synchronization. Recommended for allaround press and commercial use for all but extreme distance shots. Made to be flashed by battery or dry cells only.



High peak illumination best for open flash shots, but reliable for accurate synchronizers in press use. Quick flash stops normal action, insuring natural expression. Contains specially treated aluminum foil. Operates on voltages ranging from 3 to 125, direct or alternating current.

No. 21B—Same as No. 21 except for color photography. Has blue filter coating for correct rendition with outdoor type color films without filter. Light output approximately one-third of No. 21. Total, 15,000 to 20,000 lumens. Bulb: A-19. Standard package quantity, 60. Each..\$0.20

#### MAZDA PHOTOFLOOD LAMPS



Photoflood

Same size as a standard 60-watt lamp, drawing 250 watts at 115 volts, yet photographically equal to as much as 750 watts in standard lighting lamps.

Rated life: 3 hours at 115 volts. Bulb: A-21, inside frosted. Medium base. Standard package quantity: 60.

No. 1—Each ......\$0.15

Same size and shape as regular 150-watt general service lamp. Draws 500 watts at 115 volts, but photographically is equal to as much as 1500 watts in standard lighting lamps. Rated life: 6 hours at 115 volts. Bulb: A-25, inside frosted. Medium base. Standard package quantity: 24.

No. 2—Each .....\$0.30

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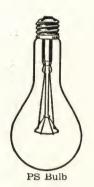


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#### HYGRADE LAMPS

#### LAMPS FOR GENERAL LIGHTING





115-120 Volt

		Screw	Stand at	LIST PRICE		
Watts	Bulb	Screw Base	Package Quantity	Clear	Inside Frosted	
•71/2	G11	Medium	60		\$0.10	
15	A-17	Medium	120		. 10	
25	A-19	Medium	120		.10	
40	A-19	Medium	120		.13	
50	A-19	Medium	120		.13	
60	A-19	Medium	120		.13	
75	A-21	Medium	120	\$0.20	.15	
100	A-23	Medium	120	.20	.15	
150	A-25	Medium	24	.20	.20	
200	PS-30	Medium	24	.27	- 27	
300	PS-35	Medium	24	.45	.50	
300	PS-35	Mogul	24	.65	.70	
500	PS-40	Mogul	12	1.10	1.20	
750	PS-52	Mogul	6	3.25	1.20	
1000	PS-52	Mogul	6	3.50		
1500	PS-52	Mogul	6	5 25		

\*This lamp is outside white finish (not inside frosted) Also available in outside Red.

Outdoor Service—The 40 watt and larger lamps of the standardline are (gas filled) lamps and should not be generally used out of doors, unless protected from rain or snow.

# HIGH VOLTAGE LAMPS

220 VOLTS

# LAMPS FOR COUNTRY HOME LIGHTING

#### INSIDE FROSTED BULBS

es Vanden
g. Price
0 \$0.20
0 .20
0 .20
0 .33
80 \$0.24
0 .24
0 .24
.37
2222222

#### DAYLIGHT LAMPS



Watts	Bulb	Screw	Std. Pkg. Qty.	Inside Frosted List Price
60	A-21	Medium	120	\$0.25
100	A-23	Medium	60	.25

## DECORATIVE SERVICE

115 and 120 Volts





G Bulb

						Flame
			Ov'l	Std.		& Ivory
7atts	Bulb	Base	Lgth.	Pkg.	White	Tint
15	F-10	Cand.	4 1/2	120	\$0.20	\$0.20
25	F-15	Med.	41/2	126	.15	.15
25	G-18½	Med.	3 18	120	30	.30
25	G-25	Med.	4 78	60	.35	.35
40	G-25	Med.	4 78	60	.35	.35

#### PAR VALUE

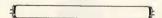
115 and 120 Volts

Watts	Bulb	Std Pkg. Qty.	List Price
30	G-19*	60	.10
60	A-19 Inside frosted	60	.10

\*Supplied inside frosted or outside colored in red, green, blue. amber-orange, rose, white, ivory or flametint.

#### HYGRADE LAMPS

#### FLUORESCENT LAMPS



Fluorescent Lamps make use of a mercury vapor arc as a source of invisible ultra violet radiation.

The visible light is produced by fluorescent powders which are applied to the inner surface of the glass tube.

These powders "fluoresce," or glow brightly, in the presence of the ultra violet, and thereby provide a very efficient light source.

Various powders emit their radiant energy at different wave lengths, with the result that a variety of colors can be produced.

The intrinsic brilliance of the Fluorescent Lamps is much lower than that of the almost point source of incandescent lamps, because the light is spread over the entire area of tubes 18 inches to 36 inches long. This will give them a great advantage in reduction of glare when used for direct lighting.

	14-watt 15-inch T-12	15-watt 18-inch T-8	20-watt 24-inch T-12	30-watt 36-inch T-8	40-watt 48-inch T-12
Approx. lumens per					
watt:	25	20			
White	35	39	4.5	48	53
Daylight		33	38	41	45
Diameter		1"	1 1/2"	1"	1 1/2"
Rated Laboratory					
Life, Hours		2500	2500	2500	2500
Package Quantity		24	24	24	24
Each (White or					
Day)	\$0.90	\$0.75	\$0.95	\$0.95	\$1.35
Each (Blue, Green,			10.00	40.00	41.00
Pink)		.90	1.10	1.10	1.60
Each (Gold or Red)		1.00	1.20	1.20	1.70

# REFLECTOR LAMPS

115-120 Volts



Spotlight Service

For use in Stores of all types where a high intensity, accurately controlled beam is essential to direct attention to featured displays in windows and on counters.

It employs an inside mirrored surface. The end of the Reflector lamp is inside frosted.

#### Floodlight Service

For uses as described above but where a wider beam spread is required.

#### For Indoor Use

	Service	Watts		Overall Lgth.		
No. R40S	Spotlight	150	Med.	61/4	12	\$0.95
No. R40F	Floodlight	150	Med.	61/4	12	.95

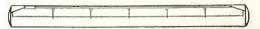
#### HYGRADE LAMPS

Watts

Watts

Tital Delan

#### LUMILINE LAMPS 115 and 120 Volts



Lumiline Lamps have discarded the standard screw base for a contact disc which fits a thin special socket at either end. lamps may be used either exposed or in a variety of newly designed reflectors. They have a wide application to modern decorative lighting, particularly where light is wanted for decoration as well as illumination. Very desirable for lighting paintings as well as infimination. Very desirable for lighting paintings and mirrors, niches, for decorative ornaments on walls, pillars and counters, and for cove lighting, especially in specialty shops, restaurants, theatres, lobbies, etc.

Made in the following colors—Clear, white, orange, moonlight

blue, emerald and surprise pink.

						St Litte
			Lgth.			Inside
			Ov'l	Std.		White &
Watts	Bulb	Base	Ins.	Pkg.	Clear	Colors
*40	T-8L	Disc.	12	24	\$0.75	\$0.85
†60	T-8L	Disc.	18	24	-85	.95
* Re	gularly	carried in	stock	in 'msi	de white	only. The
other c	olors ar	e available	from	factory	7.	

Be sure to specify color when ordering.

### INDIRECT LIGHTING THREE-LITE



Gives three levels of illumination. Requ Particularly built for I. E. S. reading lamps. 115V—120V Requires special socket.

		1101	140 V			
			Rated Life	Lgth. Over-	Std. Pkg.	Inside Frost-
Watts	s Bulb	Screw Base	Hours	all	Qty.	ed
100 ]	G30	Three				
200 }	G30	Contact	1000	613	24	\$0.55
300	G30	Mogul				
50 1	PS25	Three				
100 }	PS25	Contact	1000	63/4	60	.40
150	PS25	Mogul				
30	A21	Three				
70	A21	Contact	500	5 16	60	.25
100	A21	Medium		20		
50 1	A25	Three				
100 }	A25	Contact	500	515	60	.30
150	A25	Medium				

#### WINDCHARGER LAMPS 6 and 12 Volt-Inside Frosted



			Overall	Std.	List Prices	
Watts	Bulb	Base	Length	Pkg.	6 volt	12 volt
15	A-17	Med.	35/8	120	\$0.32	\$0.30
25	A-19	Med.	3 15	120	.32	.30
50	A-21	Med.	418	120	.46	.40

#### MILL TYPE





Mill Type Rough Service The Mill Type Lamp is constructed particularly for industrial service where there is jar or vibration. It should be used, however, only in places for which the more efficient 40 and 60 watt inside frosted lamps are not suited. Not recommend for horizontal burning.

Ov'l Lgth. 37/8 Volts Watts Bulb Base Pkg. Price 50 P-19 Clear 115 to 120 Med. 120 \$0.20

#### ROUGH SERVICE

This lamp has been particularly developed for extension cord service in machine shops, shipyards and garages and for other uses in which a lamp receives rough handling.

Volts 115-120 115-120	Watts 50 100	Bulb A-19 A-23	Base Med. Med.	Ov'l Lgth. 3 15 6 16	Std. Pkg. 120 60	Frosted List Price \$0.25
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#### INSIDE COLORED LAMPS 115 and 120 Volts



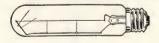
Flametint Red, Blue Green Std Yellow Bulb Pkg. Qty. 120 List Price A-19 \$0.19

SIGN AND DECORATIVE SERVICE LAMPS 115 and 120 Volts



Std. Watts Bulb Screw Pkg. List Qty. 120 Price Base S-14 Clear Medium \$0.13 ‡Also available Red, Blue, Green at \$0.20 each list.

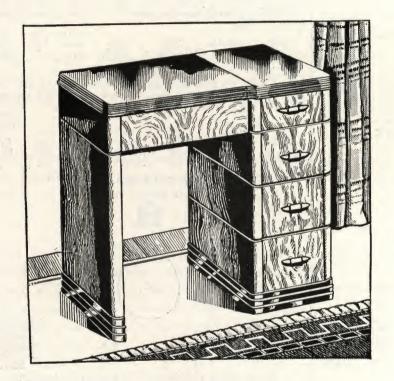
#### SHOW CASE LAMPS

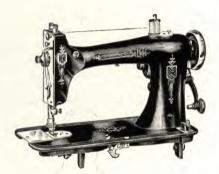


115-120 Volts Lgth. Std. List Bulb Base Overall ins. Pkg. Each T10 clear Medium 5% 60 \$0.25

#### ELECTRIC SEWING MACHINE

# "Old Homestead" Rotary





Old Homestead Rotary Sewing Head Streamlined Built in Motor Built In Lamp **Automatic Tension** Counter Balanced Rotary Mechanism

#### Model 1507-Old Homestead Rotary

A beautiful Kneehole Desk constructed of Walnut and finished in a light shade of American Walnut. It has four large roomy drawers, three of which are equipped with the following items: Pen and Pencil tray, Inkwell, Pin Cushion and Spool Rack, and Card Index for home use. The fourth drawer provides ample space for sewing and writing needs. It serves the dual purpose of a writing desk and sewing machine perfectly. Equipped with our Rotary Electric sewing head as illustrated at top of page. Complete set of attachments with each machine. , DET 18 -

Model 1507—Old Homestead Rotary. Weight each, 88 pounds. Each ......\$105.50

F. S.-F. O. B. Belvidere, Ill. OTZS

#### "Old Homestead" Rotary



#### Portable Model Rotary Electric Model No. 1110

The portable electric Old Homestead Rotary sewing machine was built with a view to convenience, compactness, and durability. The cover and base are of choice walnut, richly finished. The Rotary sewing head has built-in motor and sewing lamp, small disc hand wheel, attractive decorations, chrome plated bright parts, automatic tension with automatic release, automatic stitch regulator, positive feed, and all latest labor saving devices. It makes the double lock stitch which is always smooth and even. Speed is regulated by foot control. Attachments included. Weight boxed 65 pounds.

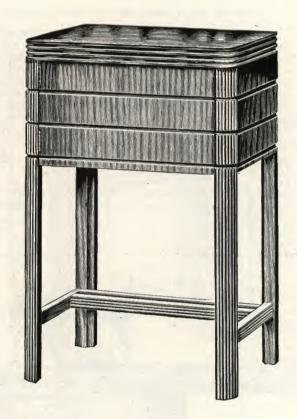
No. 1110R—Old Homestead Rotary. Each ......\$56.50 F. S.—F. O. B. Belvidere, Ill.

#### Model No. 1473 Old Homestead Rotary

A really beautiful cabinet, distinctive and in good taste. It will serve as a console or desk when not in use for sewing and yet be ready for sewing instantly when needed. It is of convenient size. When closed it measures 20½x17-inches and is 30-inches high. Front of door is of beautiful Burl Walnut, and there is a handsome maple burl overlay in the center. Legs are attractively turned and fluted, and a cross stretcher lends strength and rigidity. Entire cabinet is nicely finished in a rich brown walnut and offers beauty and strength for the purpose desired. It is supplied with our full size Rotary electric sewing head. Speed is regulated by knee control. A complete set of attachments included.



#### "Old Homestead" Rotary





Old Homestead Rotary Electric Sewing Head
StreamInied
Built In Motor
Built In Lamp
Automatic Tension
Counter Balanced Rotary Mechanism

#### Model 1502R Old Homestead Rotary

An entirely new model of striped Walnut with beautifully reeded legs and double stretcher, three horizontal router lines extending around the front and sides of the cabinet with the horizon tally grooved lid and top carrying out the Moderne design. It serves nicely as a stand or table when not in use for sewing. When closed it measures 16x20 inches and is 30 inches high. Supplied with our Old Homestead Rotary sewing head as illustrated. Complete with attachments and knee control.

#### "Old Homestead" Long Shuttle Type



Old Homestead Sewing Head

The Old Homestead electric Shuttle type sewing machine has just recently been improved. The motor is now built into the arm and is an integral part of the machine itself—not an attachment. A sewing lamp designed and built under the arm directs light where it is needed. It has a small, solid disc hand wheel, a long slender arm with streamline appearance, and makes the double lock stitch which is always smooth and even. Has disc tension equipped with release, automatic stitch regulator, and automatic bobbin winder, and all latest improvements.



Low in price yet attractive in design is this Shearaton Model cabinet. It will fit into almost any surroundings as a decorative piece of furniture. Closed it measures 20x17 inches and is 30 inches high. It is substantially constructed and beautifully finished in walnut color. Lid and door are covered with genuine walnut veneer. The balance of the cabinet is birch finished to match. Door is striped wlanut in a modern design. The dark inserts on the legs lend a decidedly ornamental appearance. It is equipped with our Old Homestead long shuttle type head as illustrated and described above. Weight crated 86 pounds.

No. 1486S—Old Homestead shuttle type complete with attachments, knee control, and lamp. Each ......\$60.75

F. S.—F. O. B. Belvidere, Ill.

#### OLD HOMESTEAD ROTARY—REVERSEW TYPE

Newest Sewing Machine on the Market-Sews Backward and Forward.

#### MODEL 1516 OLD HOMESTEAD ROTARY



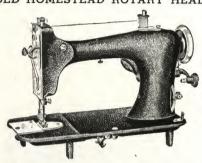
For those who desire a sewing machine cabinet with enough drawer space to provide ample room for all sewing and desk needs, this new kneehole desk is the answer. It has eight drawers—four on each side—equipped with spool rack, pin cushion, pen and pencil tray. It is made throughout of the most carefully chosen hand finished Walnut. Its beautifully beaded molding, fretwork base, and decorative brass drawer pulls faithfully follow the best principles of Chippendale's best period. Furnished with the Rotary heads as shown. Weight crated, 157 pounds.

Model 1516—Old Homestead Rotary. Each .....\$109.95 F.S.—F.O.B. Belvidere, Ill.



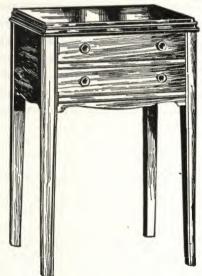
OPEN VIEW MODEL 1516

#### OLD HOMESTEAD ROTARY HEAD



The new Old Homestead Rotary electric sewing machine with built-in motor and built-in sewing lamp has a full size, streamlined arm, small disc hand wheel, and presents a very nice appearance. Sews forward and backward at the will of the operator. Makes the double lock stitch which is always smooth and even. Equipped with automatic tension which adjusts itself to a perfect stitch on all classes of goods. Has an automatic tension release and automatic stitch regulator. Other features are: steel-capped needle and presser bars, automatic bobbin winder, positive cam driven take-up, positive double-width steel-forged feed, self-setting needle, self- threading shuttle, hinged presser foot, and the counter-balanced main shaft. Brown art metal finish.

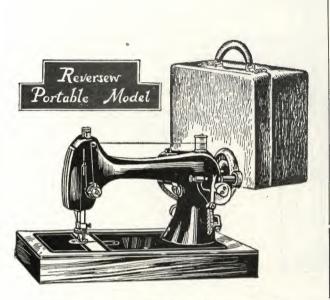
#### MODEL 1433 OLD HOMESTEAD ROTARY



A modern Sewing Machine cabinet carefully constructed of Genuine Walnut throughout with a beautiful handrubbed finish. The door is provided with four handsome brushed brass pulls and router lines that add much to its appearance. A pocket is furnished in the back of the door to accommodate sewing equipment. It is of convenient size measuring, when closed, 20x16¾x30 inches high. A sewing machine you will be pleased to own. Supplied with the new Rotary sewing head shown at top of page. Weight crated, 79 pounds.

#### Old Homestead X-Long Shuttle Reversew Type

SEWS BACKWARD AND FORWARD

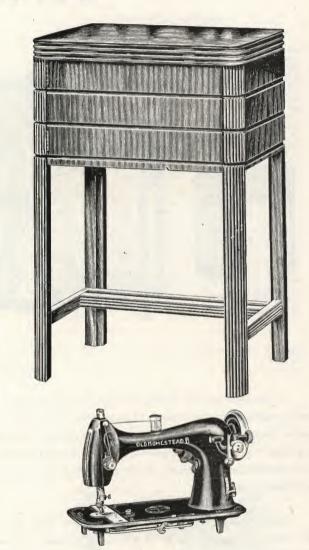


Model 1126 Old Homestead X Electric Portable

#### Medium Size Head

The Old Homestead X is a new sewing machine introducing new features of design and structure which will assure greater sewing satisfaction. Note the streamline styling, the small, solid disc wheel, and attractive decorations. It is a long shuttle machine with controlled reverse stitch mechanism and makes a perfect lock stitch while sewing either backward or forward. Hinged presser foot for sewing over heavy seams in either direction. Has chrome finished bright parts. A new sewing lamp, concealed, heatless, just above the needle for a perfect light on sewing. Dependable motor is attached to rear of arm and speed is regulated by foot control. Equipped with a leatherette case that holds all parts. Attachments included. Shipping weight 52 pounds.

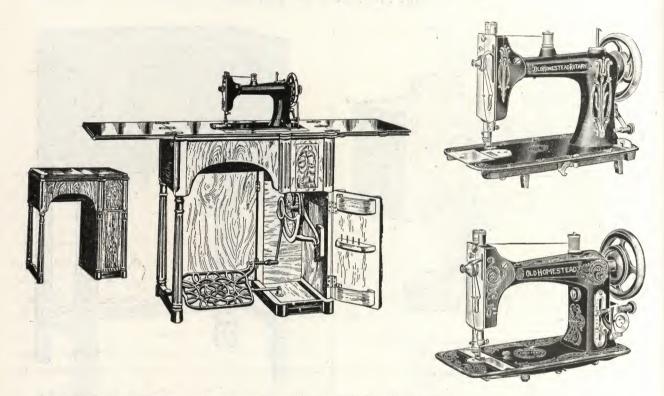
Model No. 1126 Old Homestead X—Each .......\$47.75 F. S.—F. O. B. Belvidere, Ill.



Model No. 1502S "Old Homestead B"

A new and Modern Sewing Machine with many important features including full size streamlined head, sews backward or forward, has hinged presser foot for sewing over heavy seams, built-in motor and sewing lamp, counter-balanced main shaft, chrome plated bright parts, and all latest sewing improvements. Cabinet is constructed of striped Walnut, with reeded legs and double cross stretcher. It is strictly modern in every detail. Complete with attachments and knee controlled speed device.

#### "Old Homestead" Rotary and Long Shuttle Types



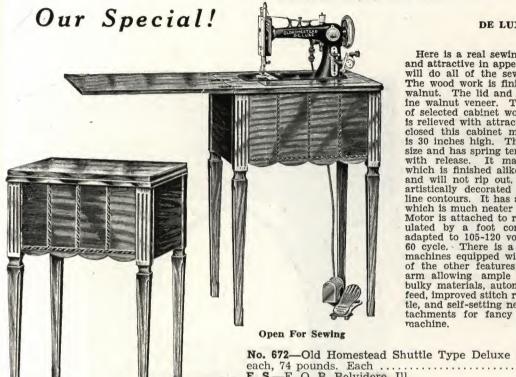
A new kneehole Desk designed to serve the dual purpose of both a desk and sewing machine. In reality it is a foot power sewing machine with the treadle and stand wheel folding into the right hand section of the desk when not in use. The transformation from a desk to sewing machine, or vice-versa, is accomplished without effort in the fraction of a minute. It is constructed of genuine walnut veneer and selected gumwood finished to match. It is strictly high quality throughout and is a desirable addition to the furnishings of any home. It may be supplied with either our Old Homestead Rotary or Old Homestead shuttle type heads as illustrated above.

Rotary Sewing head—Makes the double lock stitch that will not pull out. Has automatic tension that provides for a perfect stitch on all classes of goods without adjustment. Automatic tension release, psoitive cam driven take-up, self-setting needle, and self-threading shuttle, automatic bobbin winder, and stitch regulator. It is neatly decorated and all bright parts are chrome plated.

Shuttle type sewing head—Has many fine sewing features including automatic tension, automatic release, positive cam driven take-up, self-threading shuttle, self-setting needle, automatic bobbin winder, and automatic stitch regulator. It is finished in black enamel and nicely decorated. All bright parts are chrome plated.

Model 800R—Old Homestead Rotary complete with attachments	Shipping weight, 119 pounds. Each \$66.00
F. S.—F. O. B. Belvidere, Ill.	ASZS
No. 800S—Old Homestead Shuttle complete with attachments	
F. S.—F. O. B. Belvidere, Ill.	V37A

Old Homestead Shuttle Type



#### DE LUXE CONSOLE

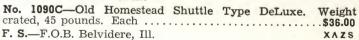
Here is a real sewing machine value. It is neat and attractive in appearance, popularly priced, and will do all of the sewing for the average family. The wood work is finished in a rich, warm brown walnut. The lid and door are covered with genuine walnut veneer. The balance of the cabinet is of selected cabinet wood finished to match. Door is relieved with attractive beaded moulding. When closed this cabinet measures 18½x16 inches and is 30 inches high. The sewing head is popular % size and has spring tension on top of arm equipped with release. It makes the double lock stitch which is finished alike on both sides of the goods and will not rip out. The entire sewing head is artistically decorated and cast with the streamline contours. It has a small solid disc hand wheel which is much neater than the large spoked wheel. Motor is attached to rear of arm and speed is regulated by a foot controlled rheostat. Motor is adapted to 105-120 volts AC or DC current, 25 to 60 cycle. There is a slight additional charge for machines equipped with special volt motor. Some of the other features of this machine are: high arm allowing ample room for handling heavy, bulky materials, automatic bobbin winder, positive feed, improved stitch regulator, self-threading shuttle, and self-setting needles. A complete set of attachments for fancy sewing included with each machine.

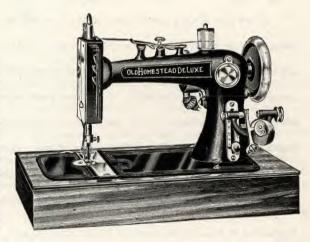
Model No. 672

### An Exceptional Value!

#### OLD HOMESTEAD SHUTTLE TYPE

Here is a real portable electric sewing machine that does all the sewing for the average family at a price so low as to be within the reach of everyone. It weighs only 25 pounds and is easily carried from place to place. Put it in a closet when not in use. There is a rubberized cover for dust protection. Not only is this handy little machine convenient, but it is attractive as well. Base is richly finished in walnut color. All bright parts are chromium plated and polished. The motor has been attached in a position that allows for the use of the small solid disc hand wheel. The sewing head is artistically decorated and cast with the streamline contours. It makes the double lock stitch that is finished alike on both sides of the goods and will not rip out. The motor is attached to the rear of arm, and speed is regulated by a foot controlled rheostat. Motor is adapted to 105-120 volt AC or DC current, 25 to 60 cycles. A slight additional charge is made for machines with special volt motors. The sewing head is the popular % size. It has a high arm and allows ample room for handling heavy, bulky materials. It has automatic bobbin winder, positive feed, improved stitch regulator, self-threading shuttle, and self-setting needles. A complete set of attachments for fancy sewing included with each machine.

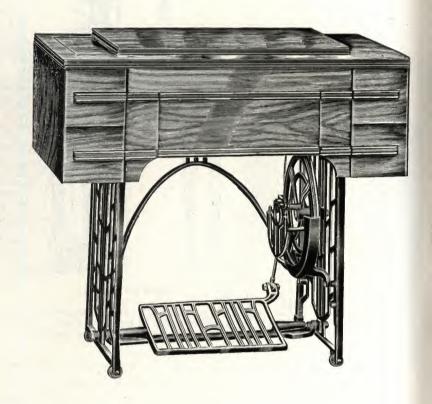




#### Old Homestead



Old Homestead Shuttle Type Sewing
Head



A new and Modern treadle type sewing machine, substantially constructed of walnut and beautifully finished. An unusual feature is the elimination of the middle frame thereby providing a smooth flat surface for sewing when the head is automatically raised to position. The stand and treadle are new and designed in keeping with the woodwork. Four large spacious drawers provide space for sewing necessities. It operates quietly, smoothly, and fast. Equipped with old Homestead V Long shuttle type sewing head as illustrated. It has many improvements including side tension with release, positive cam driven takeup, positive double width steel forged feed, self-threading shuttle, self-setting needle, automatic bobbin winder, and improved stitch regulator. It makes the double lock stitch that is finished alike on both sides of the goods and will not ravel. The head is neatly finished in black enamel and all bright parts are heavily nickel plated.

#### Old Homestead





A modern treadle type sewing machine built on graceful and attractive lines, substantially constructed of Walnut and Gumwoods, beautifully finished. Four large and roomy drawers provide ample space for sewing needs. The stand and treadle are new and are designed to harmonize with the woodwork. Ball bearing treadle mechanism assures quiet and easy operation. Equipped with a new sewing head (long shuttle type) with the exclusive feature of sewing forward or backward. It has all of the latest features including hinged presser foot, automatic bobbin winder, improved tension with release on side of arm, chrome plated bright parts, and new streamlined styling.

#### Invincible



A new design in a treadle type sewing machine, attractive in appearance yet popularly priced. It is constructed of hardwood beautifully finished in Oak. A roomy drawer of new design at each end of cabinet and a handy center till provide ample space for sewing needs. The stand is modern, well built, and operates on ball bearings. It is finished in a soft brown to match woodwork. It is furnished with our full size long shuttle type sewing head as illustrated, having many worthwhile features including spring tension on top of arm with release, automatic bobbin winder, improved stitch regulator, self-threading shuttle, self-setting needle, positive steel forged feed. It is neatly finished in black enamel with nickel plated bright parts. Complete with attachments.

#### WASHING MACHINES

Dexter



Here is the world's fastest and most efficient home laundry unit. It is a super-DeLuxe twin tub—the finished product of almost 40 years in building and designing twin tub washers. FINISH-Is finished in white with trim of crackle black enamel. TUBS-22 inch diameter-bottle neck-Dexter corrugations-enameled white. Capacity of each tub, 221/2 gallons to top-171/2 gallons to water line. AGITATORS-Aluminum corrugated type-blue sterilkote finish. WRINGER-21/2 inch balloon rolls-automatic flipper board control. Has a "flash action" safety release with jiffy reset. Finished in white enamel with crackle blue and bright chrome trimmings. WORM AND GEAR-Has Dexter's oversize, dual thread "airplane" worm, hardened ground and polished to micro-exactness. MOTOR-Special, super-power 1/4 H. P. motor with plenty of capacity for pulling both tubs and the wringer, all at the same time, even when they are heavily loaded. Floor space required 45x22 inches.

7TAZ

#### Dexter



This machine is super-sturdy in construction and is so efficient in operation that the weekly washing is completed in half the time required by the ordinary single tub washer. FINISH-White with trim of crackle-black enamel. TUBS-All white tubs drawn from one piece of heavy gauge "Armco Ingot Iron," ample capacity, 22 inches in diameter, 141/2 inches deep. Both tubs are mounted in heavy rubber cushions. AGITATORS-Aluminum corrugated type. WRINGER—High double deck boards—frame enameled white—21/4 inch balloon rolls. Flipper board is fully automatic. WORM AND GEAR-Dexter's oversize, dual thread "airplane" worm, hardened ground and polished to micro-exactness. DRAIN FAUCETS—Wheel valve type. MOTOR—Special, super-power ¼ H. P. motor with plenty of capacity for pulling both tubs and the wringer, all at the same time, even when they are heavily loaded. Floor space required 45x22 inches.

Dep't-5

TVAZ

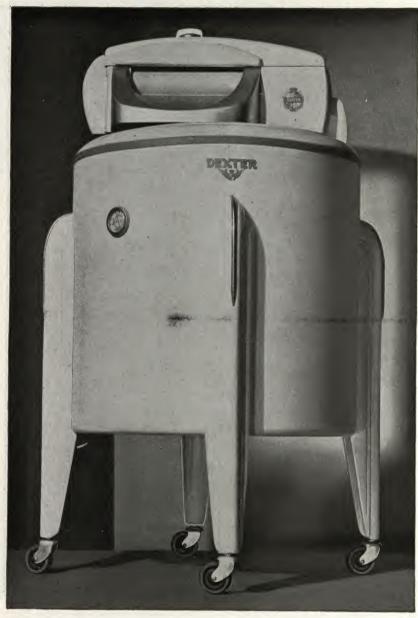
#### Dexter



Here's streamlining in its most modern manner—a more abundant washer in every detail—designed to outwash—outlast—outvalue all others. FINISH—Finished throughout in white with trim of turquoise blue enamel. TUB—Extra large capacity, 23¼ inches in diameter, 14½ inches deep, holds 25 gallons to top, 19 gallons to marked water line. Drawn from one piece of heavy Armco Iron, triple coated with gleaming white porcelain enamel. AGITATOR—Aluminum corrugated type—blue steril-kote finish. WRINGER—2½ inch full balloon rolls—automatic flipper board control. Finished in white baked enamel with crackle blue and bright chrome trimmings. TEMPGAUGE—The "Tempgauge" is mounted in a handy place on the cabinet. It is connected to the tub in such a manner that its dial shows the degree of heat of the water. MOTOR—Special oversize ¼ H. P. motor, gives plus power for pulling both tub and wringer at the same time even when both are heavily loaded. Floor space required 28½x24½ inches.

ASZS

Dexter



This beautiful, ultra-streamlined washer offers quality and efficiency in abundance. Its extra large tub is insulated effectively by Dexter's "Seeldheet" construction which keeps the wash-water hot. An automatic "Tempgauge" shows its exact temperature. FINISH—White with knobs and handles of crackle-blue. TUB—Extra large capacity, 23¼ inches in diameter, 14½ inches deep, holds 25 gallons to top, 19 gallons to water line. Finished in white. AGITATOR—French-type, cast in one-piece of rust-proof Lynite aluminum. WRINGER—Has extra long DeLuxe type release bars—a quick and positive reset lever—pressure selector, and large 2¼ inch cushion rolls. WORM AND GEAR—Has Dexter's oversize, dual thread worm, hardened ground and polished to micro-exactness. MOTOR—Special oversize ¼ H. P. motor, gives plus power for pulling both tub and wringer at the same time even when tub is heavily loaded. Floor space required 28½x 24½ inches.

No. 414E—Electric. Weight, crated, each 204 lbs. Each......
Dep't-5

\$84.95 \[ \Delta z \] \]



This model sets a new high standard of value in its price class. It is thoroughly modern in design and has quality features usually found only in machines that cost many dollars more. FINISH—White with trim of crackle black enamel. TUB—Extra large capacity, 23¼ inches in diameter, 15% inches deep, holds 25 gallons of water. Finished in white. AGITATOR—Aluminum corrugated type—Steril-kote finish. WRINGER—This attractive wringer is operated by Dexter's improved gearing. It has extra-long, DeLuxe type release bars—a quick and positive reset lever, pressure selector and large 2¼ inch rolls, automatic flipper control. WORM AND GEAR—Has Dexter's oversize, dual thread worm, hardened, ground and polished to micro-exactness. MOTOR—Special size ¼ H. P. motor, gives plus power for pulling both tub and wringer at the same time even when both are heavily loaded. Floor space required 28x23 inches.

. \$74.95 леди

#### Dexter



This handsome Dexter washer is an acknowledged pace-setter among popular priced single tub models. It is a quality machine throughout with super century gearing—massive streamlined wringer—Dexter "Densiron" legs, deep base, "Armco" vitreous enameled tub and Dexter high wing corrovane agitator. FINISH—White with trim of crackle black enamel. TUB—All white tub, capacity 22 inches in diameter, 14½ inches deep. AGITATOR—Aluminum corrugated. WRINGER—Two inch balloon rolls. Manual control flipper—low type double deck boards—frame type safety release bars—and reset—pressure screw. WORM AND GEAR—Dexter's oversize, dual thread worm, hardened ground and polished to micro-exactness. MOTOR—Special oversize ¼ H. P. motor, gives plus power for pulling both tub and wringer at the same time even when both are heavily loaded. Floor space required 27x22 inches.

No. 412EC—Electric. Weight crated, each 183 lbs. Each .....
Dep't-5



This modern washer gives utmost value for the fewest dollars. It runs smoothly, washes thoroughly and it has long, lasting qualities beyond many washers at much higher prices. FINISH—White with trim of crackle black enamel. TUB—Standard capacity, 22 inches in diameter, 13½ inches deep. AGITATOR—Large, triple vane super-efficient French type, cast in one-piece of rust-proof Lynite aluminum. WRINGER—This dependable wringer is operated by Dexter's new, improved gearing. It has an approved safety release, sturdy, streamlined feeding tables and an automatic flipper board. WORM AND GEAR—Has Dexter's oversize, dual, thread worm, hardened ground and polished to micro-exactness. MOTOR—Special, oversize motor, gives plus power for pulling both tub and wringer at the same time even when both are heavily loaded. Floor space required 27x22 inches.

No. 411EC—Electric. Weight crated, each 169 lbs. Each .....

\$54.95

, , ...



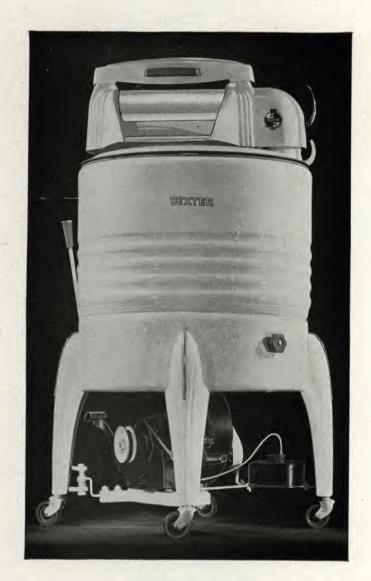
Now, any home without electricity can have all the conveniences that only a Dexter "twin tub" washer can give. FINISH—White with trim of crackle black enamel. TUBS—All white tubs drawn from one piece of heavy gauge "Armco Ingot Iron," ample capacity, 22 inches in diameter, 14½ inches deep. AGITATORS—Large, triple vane, super-efficient, French type, cast in one piece of rust-proof Lynite aluminum. WRINGER—Made of sturdy steel. It has extra long DeLuxe type release bars—a quick and positive reset lever, pressure selector, and large 2¼ inch rolls. WORM AND GEAR—Has Dexter's oversize, dual thread "airplane" worm, hardened ground and polished to micro-exactness. MOTOR—The powerful and dependable 5% H. P. "Iron Horse" gasoline engine, 4 cycle type, is built by the Johnson Co., makers of the famous "Sea Horse" outboard motors. Floor space required 45x22 inches.



This "DeLuxe" gasmotor model has every improved and refined feature that is found on the finest electric washers. FINISH—White with trim of turquoise blue enamel. TUB—Extra large capacity, 23¼ inches in diameter, 145% inches deep. AGITATORS—Dexter's efficient French type, cast in one-piece of rust-proof Lynite aluminum. WRINGER—Made of sturdy steel, beautifully streamlined. It has extra long, DeLuxe type release bars—a quick and positive reset lever, pressure selector, and large 2¼ inch "tensilastic" quality cushion rolls. WORM AND GEAR—Has Dexter's oversize, dual thread worm, hardened ground and polished to micro-exactness. MOTOR—Powerful and dependable 5% H. P. "Iron Horse" gasoline engine, 4 cycle type. Floor space required 28x23 inches.

Dep't-5

#### Dexter

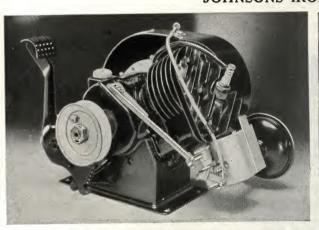


Capacity 8 Sheets

Finished in bright, white, baked enamel, handles and knobs, crackle-black enamel. Tub, 22½ gals. to top, 17½ gals. to water line, inside diam. 22 inches; triple-coated with vitreous enamel inside and out. Four efficient cleansing cleats—completely rubber cushioned. Wringer, modified dome type, heavy steel frame, rust proofed and enameled. Gasmotor—Powerful and dependable 5% H. P. gasoline engine, 4 cycle type. This engine is larger, more powerful, has improved carburetion and other features which make it definitely superior to all other washing machine gasmotors. Dexter's "Super-Century" Gearing, simple, quiet, durable. Only four moving parts, forced feed lubrication, oil tight gear case. Floor space required, 24x28 inches.

No. 412G—Gasmotor. Weight each, 205 pounds. Each \$92.92

#### JOHNSONS IRON HORSE ENGINES



Iron Horse with Suction-Feed carburetor and foot Starting Pedal.

.. Johnson Iron Horse Engines are compact. The angle cylinder permits low height for mounting in close quarters, for keeping center of gravity low.

Beyond that, however, adaptability to numerous installations is made possible by wide variations in equipment. Either rope, foot-pedal or hand-lever starting is available

.The regular gasoline tank (for suction-feed) is one quart capacity, but the user may supply his own tank of special dimensions. A one gallon cast iron tank, also serving as a substantial base, may be had. Where the down-draft float-feed carburetor is used, the overhead tank mounted on the engine or other gravity arrangement may be used. Exhaust outlets also may be modified and a special screen for the air intake to flywheel-fan is available. On some generator-set applications shielding of ignition is required. Shielding can be supplied.

Belt or direct connection drive may be taken from either end of the crankshaft. Iron Horse engines are regularly equipped with V-belt pulleys on each side and these may be had in various sizes.

Type—4 cycle, single cylinder, (30° from horizontal) air cooled.

Bore, Stroke, R. P. M .-

**X-400** series, 2½x1¾, 1750 to 1950 r. p. m. **X-500** series, 2¼x1¾, 1800 to 2600 r. p. m.

Starting—Optional, foot-pedal, hand-lever or rope.

Ignition-Johnson built flywheel magneto, enclosed, moisture proof, high tension type.

Spark Plug-14 m. m. Champion, J-8.

Carburetors—Adjustable, efficient suction-feed built by Johnson.

Down-draft, float-feed with high and low speed jets and adjustment.

Cooling—Radial fan blades on flywheel force strong air current over cylinder and head directed by shroud. . .

Crankcase—Cast separately. Improved check-valve breather. Oil capacity 34 pint. (Special, one pint available.)

No. X-400S Series—Suction feed carburetor, 5% h. p. 1800 No. X-400D Series—Downdraft carburetor, 34 h. p. 1900 No. X-500 Series—Downdraft carburetor, 1 h.p. 2000 r.p.m. Weight depending on model and equipment, from 37 to 42



Iron Horse with Down-draft Carburetor and Gravity-Feed Tank

Cylinder—Nickel iron. Separate from crankcase. Ground and honed to mirror finish, close dimensions. Valve guide inserts.

Governor—Mechanical fly-ball type mounted on crankshaft inside crankcase. Close speed control. Speed adjustment

Bearings-Main journals, steel backed babbitt. Protected by oil and dust seals.

Crankshaft—Drop-forged steel, ground to smooth close limits.

Valves-Steel forgings. Exhaust valve silchrome; intake valve nickel steel.

Connecting Rods—Pressure die-cast aluminum alloy.

Piston-Pressure die-cast aluminum alloy. Anodic treated for hardness and long life. Two compression rings, one oil control ring.

Lubrication—Exclusive Johnson design metered splash to all internal parts.

Finish—Sprayed black enamel.

Gasoline Tank-Regular with suction-feed carburetor, one quart; overhead for gravity feed, 3 quarts; base-tank available, one gallon.

Air Cleaner-Approved oil bath type regular on downdraft carburetor. Special dry type for suction-feed carburetor.

Pulleys-V-belt type (several sizes) both ends of crankshaft.

Direct Mounting-Crankcase available with flange mounting provision when foot-pedal starting not used.

r.p.m.	Each		٠.		۰									٠			 						•	٠			. 4	42	2.0	0
r.p.m.	Each			٠	•	٠			۰	٠	٠	•	٠	•	•	•	 	. ,		•		•	•	٠	٠	٠		5	0.0	0
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pound	S.																													



This sturdy, attractive Dexter gasmotor washer can be sold at a popular price. FINISH—Finished throughout in white with trim of crackle black enamel. TUB—Standard capacity, 22 inches in diameter, 13½ inches deep. Drawn from one piece of heavy "Armco" steel. AGITATOR—Cast in one piece of rust-proof Lynite aluminum. WRINGER—Pressed steel frame, heavy gauge. It has an approved safety release, sturdy, streamlined feeding tables and an automatic flipper board. WORM AND GEAR—Has Dexter's oversize, dual thread worm, hardened ground and polished to micro-exactness. MOTOR—Powerful and dependable 5% H. P. "Iron Horse" gasoline engine, 4 cycle type. Floor space 27x22 inches.

#### **ELECTRIC WASHERS**



The Handyhot Junior Portable Washer is the long looked- for answer to the problem of handling the small daily washings that are so desirable where babies, children or feminine dainty lingerie are concerned.

Air-cooled induction motor operates on 110-120 volt alternating current, 50-60 cycles only, and does not interfere with radio reception.

Tub finished in triple coat white vitreous enamel as easy to clean as a china dish. Streamlined handles on cover assembly and tub finished in contrasting color.

Accommodates 2 pounds of dry clothes, but will wash cleaner and faster when not loaded to capacity.

No. XL1—Weight each, 25 lbs. Each .......\$15.95 Dep't-5 Packed 1 in a carton. 020T





The Little Magic Electric Washer for the laundering of fine fabrics, lingerie, hosiery, and small articles. It is very compact, and will store easily in any small space, as it is only 12 inches high and 12 inches in diameter. Has powerful air-cooled induction motor and drive assembly enclosed inside cover with convenient lift handles. Drive unit is very quiet and is constructed so that there will never be any oil leakage. Tub is finished in triple coat white vitreous enamel equipped also with handles finished in contrasting color. Has heavy rubber covered Underwriter's Approved Cord and Plug Cap attached. Operates on 110-120 volts alternating current, 50-60 cycles, and does not interfere with radio reception.

### PORTABLE WRINGERS Little Magic



The Little Magic is an unusually well designed and sturdily constructed wringer, for use with the Handyhot Junior Electric Washer and other portable washers.

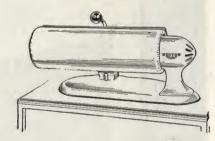
The streamlined frame is bonderized and heavily coated with white baked-on enamel. Has a full 7½ inch spread of wringing surface.

No. XL-3—Weight each, 834 pounds. Each ...... \$5.50 Dep'1-5

Packed 1 to a shipping carton.

#### DU-ALL PORTABLE IRONER

Horion



Roll 22 inches long, 6 inches in diameter. Westinghouse nickel chromium alloy heating element. Permanently lubricated. Will iron 2200 square inches per minute. Revolutionary finger-tip control—One automatic centralized non-interfering control for all operations. Automatic thermostat.

No. 640—Weight each, 27 pounds. Each.......\$29.95

Dep't-5

Single Lots XZAA

Lots of 3 or more 07JT

Packed one in a carton.

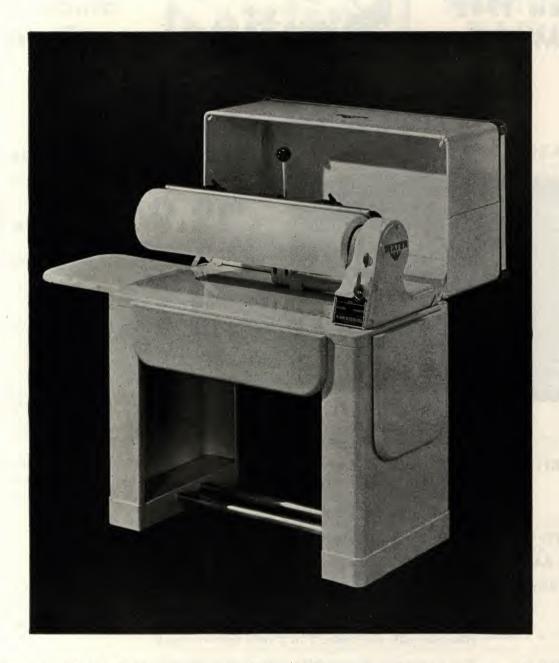


#### **DEXTER IRONERS**



New enclosed cabinet and table top model with triple action shoe, 30x61/2-inches, of special hardened steel-chromium plated, guaranteed scratch-proof; has dual speed control for fast or slow ironing, operator can change speed without stopping the ironer or disengaging gears—dual control operated by either hand or knee. No sag roll. Twin-Type heating element, capacity 1300 watts on high heat, with two thermostatic controls. Adjustable ironing pressure-Double open end roll-Pilot light. Dual toggle switch, one for motor—one for the heating element. 1/6 h. p. motor. Two extension shelves, one on each end of cabinet. Finished in white baked enamel. Flour space required 17x361/2 -inches.

#### **DEXTER IRONERS**



Enclosed cabinet and table top with two extension shelves—rust proof, scratch-proof shoe. 26x4½-inch hardened steel, chromium plated. Single speed with press control—Twin type heating element, capacity 1300 watts on high heat, twin thermostatic controls with indicators which may be set from 250 to 450 degrees heat. Never sag, double open end roll. Adjustable ironing pressure, dual control, either by hand or knee. ½ h. p. motor. Finished in white baked enamel; floor space 17x32½ ins.

Studio-Tone Radio

5 Tube . . . . . Superheterodyne

AC-DC 110 Volt All-Electric Radio



Walnut Bakelite

TABLE MODEL 248-W

Ivory Bakelite

TABLE MODEL 248-I

LIST PRICE

Radio-Dep't

LIST PRICE

Complete with Tubes

**FEATURES:** 

• 5 Multi-purpose Tubes (No Ballast)

Full Broadcast Reception

Full Automatic Volume Control

Novel Airplane Gold Dial

2 Watts Power Output

Excellent Sensitivity and Selectivity

Built-in Loop "Sentennascope" Antenna

"The Finest Compact Electric Radio Available At The Lowest Price"

CABINET:

A striking cabinet of modern streamline design. Attractive horizontal grille bars and roll over top and bottom produce a most pleasing effect. Beautifuly reproduced in durable bakelite. Striking gold finished carrying handle. Dimensions: 101/2 inches

wide, 7 inches high, 6 inches deep.

CIRCUIT:

5 tube superheterodyne for AC-DC operation.

WAVE BANDS:

540 to 1720 kilocycles.

SPEAKER:

5-inch permanent magnet dynamic.

DIAL:

Embossed gold full vision airplane dial provides for simple and accurate selection of stations . . . illuminated dial clearly shows exact position of station indicator or

kilocycle calibrated scale. 7 to 1 ratio vernier tuning.

CONTROLS:

Two bakelite knobs matching cabinet are: Volume control-on-off switch and tuning

control.

TUBES:

1-12SA7, oscillator and modulator; 1-12SK7, intermediate frequency amplifier; 1—12SQ7, detector, automatic volume control and first audio amplifier; 1—50L6GT

audio output; 1-35Z5GT, rectifier.

WEIGHT:

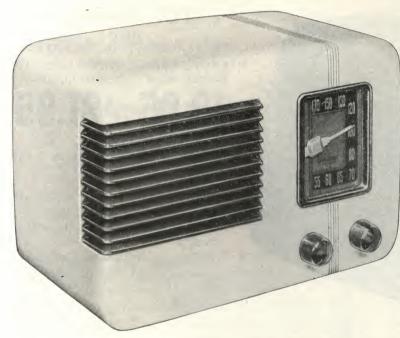
71/4 pounds.

Specify Color Walnut or Ivory Onyx When Ordering.

# Sentinel "Studio-Tone" RADIO

## 5 Tube . . . . . Superheterodyne

AC-DC 110 Volt All-Electric Radio



## NEW-GLOWING-BEAUTY COLORS in CATALIN

MODEL 248-NI—IVORY WHITE CABINET WITH AMBER GRILLE

MODEL 248-NR—RED CABINET WITH WHITE GRILLE

MODEL 248-NA—AMBER CABINET WITH AMBER GRILLE

\$19.95

List Price Complete with Tubes Radio-Dep't—0XJT

#### **FEATURES:**

- 5 Multi-Purpose Tubes (No Ballast)
- Full Broadcast Reception
- Full Automatic Volume Control
- Novel Airplane Gold Dial
- 2 Watts Power Output
- Excellent Sensitivity and Selectivity
- Built-in Loop "Sentennascope" Antenna

#### A Style Sensation-A Sales Jewel

CABINET:

A rare blend of artistic styling and smooth appearance never before attained in molded plastic cabinets. A catalin marble like lustrous cabinet with accentuating transluscent catalin grille and escutcheon. Dimensions:  $10\frac{1}{2}$ " wide, 7" high, 6" deep.

CIRCUIT:

5 tube superheterodyne for AC-DC operation.

WAVE BANDS:

540 to 1720 kilocycles.

SPEAKER:

5-inch permanent magnet dynamic.

DIAL:

Embossed gold full vision airplane dial provides for simple and accurate selection of stations . . . illuminated dial clearly shows exact position of station indicator or kilocycle calibrated scale. 7 to 1 ratio veneer tuning.

CONTROLS:

Two bakelite knobs matching cabinet are: Volume control-on-off switch and tuning control.

1—12SA7, oscillator and modulator; 1—12SK7, intermediate frequency amplifier;

1—12SQ7, detector, automatic volume control and first audio amplifier; 1—50L6GT audio output; 1—35Z5GT, rectifier.

WEIGHT:

TUBES:

 $8\frac{1}{2}$  pounds.

Specify Color Ivory, Red or Amber When Ordering

Sentinel

"Studio - Tone" RADIO

6 Tube . . . . . Superheterodyne

AC-DC 110 Volt All-Electric Radio



#### "TOP-TUNING"

A SUPER-SELECTIVE "RF" STAGE

WALNUT BAKELITE IVORY BAKELITE MODEL 263-W MODEL 263-I

List Price Complete with Tubes Radio-Dep't-0XTS Radio-Dep't-0VSJ

#### FEATURES:

- 6 Multi-purpose Tubes (No Ballast)
- American Reception
- RF Stage for Greater Station Signal Strength
- Full Automatic Volume Control
- Embossed Gold Slide-Rule Dial
- 3 Watts Power Output
- Excellent Sensitivity and Selectivity
- Built-in Loop "Sentennascope"

"Tops" in Performance—"Tops" in Tuning—"Tops" in Value

CABINET:

A handsome plastic cabinet molded of either walnut or ivory. Only genuine bakelite of unusual style and design. Equipped with full vision top tuning. A perfect design and style. Dimensions: 111/2 inches wide, 71/2 inches high, 63/4 inches deep.

CIRCUIT:

6 Tube superheterodyne for 110 volt AC-DC operation.

WAVE BANDS:

540 to 1,730 kilocycles.

SPEAKER:

6-inch "oval" electro dynamic speaker.

DIAL:

Large illuminated slide-rule—easy to read. Large numeral top tuning. Veneer. Full vision dial.

CONTROLS:

Two bakelite knobs matching cabinet are: Volume control on-off switch and tuning control.

TUBES:

1-12SG7, RF Stage; 1-12SA7, oscillator and modulator; 1-12SK7, intermediate frequency amplifier; 1—12SQ7, detector, automatic volume control; 1—12SQ7, first

audio amplifier: 1-50L6GT, audio output; 1-35Z5GT, rectifier.

WEIGHT:

11 pounds. Specify Walnut or Ivory When Ordering

Dentinel

"Studio-Tone RADIO

6 Tube . . . . . Superheterodyne Foreign Reception All-Electric Radio

"Top-Tuning" Foreign Reception

SUPER-SELECTIVE "RF" STAGE

WALNUT BAKELITE MODEL 264-W

Radio-Dep't-0AAS List Price Complete with Tubes

IVORY BAKELITE MODEL 264-I

Radio-Dep't-OAAZ List Price Complete with Tubes



**FEATURES:** 

- 6 Multi-Purpose Tubes (No Ballast)
- American and Foreign Reception
- RF Stage for Greater Station Signal Strength
- Full Automatic Volume Control
- Embossed Gold . Slide-Rule Dial
- 3 Watts Power Output
- Excellent Sensitivity and Selectivity
- Built-in Loop "Sentennascope" Antenna
- Full Range Tone Control

A Phenomenal Performer in a Class by Itself

540 to 1,620 kilocycles, 5,700 to 18,300 kilocycles.

6-inch "oval" electro dynamic speaker.

CABINET:

A handsome plastic cabinet molded of either walnut or ivory. Only genuine bakelite of unusual style and design. Equipped with gold finished carrying handle. A perfect design and style. Dimensions: 111/2 inches wide, 71/2 inches high, 63/4 inches deep. 6 tube superheterodyne for 110 volt AC-DC operation.

CIRCUIT: WAVE BANDS:

SPEAKER:

DIAL:

CONTROLS:

TUBES:

WEIGHT:

veneer full vision dial. Four bakelite knobs matching cabinet are: Volume control-on-off switch; tuning control; band selector, and tone control.

Large illuminated slide rule. Easy to read large numeral top tuning double scale

1—12SG7T, RF Stage; 1—12SA7, oscillator and modulator; 1—12SK7, intermediate frequency amplifier; 1-12SQ7, detector, automatic volume control; 1-

12SQ7, first audio amplifier; 1—50L6GT, audio output; 1—35Z5GT, rectifier.

ll pounds.

Specify Walnut or Ivory When Ordering

## New 1942

# Sentinel

"Studio-Tone RADIO

... AC Superheterodyne

Foreign Reception 5 Wave Band Radio



AMERICAN AND FOREIGN TUNING

### For the Short-Wave Enthusiast

WALNUT WOOD TABLE MODEL 255-TE

List Price - Complete With Tubes Radio-Dep't-VZXS

#### FEATURES:

- 6 Multi-Purpose Tubes
- 3 Spread Bands and 2 Regular Bands
- World Wide Reception
- Full Automatic Volume Control
- Tel-eve Visual Tuning
- Full Range Tone Control
- New Edge-Lighted "Slide-Rule" Dial
- Connections for Television

#### A Short Wave Model That Provides Real Short Wave Performance

CABINET:

A superbly styled table cabinet combining a perfect blend of richly grained walnut veneer wood. Speaker chamber features ornamental grille members which strikingly stress the modern trend in cabinet design. Piano finish butt walnut top, with two-tone wide band effect. Dimensions: 153/4" wide, 15" high, 91/2" deep.

CIRCUIT:

6 tube superheterodyne for AC operation.

**WAVE BANDS:** 

535 to 1,650 kilocycles; 3,000 to 9,500 kilocycles; 9,200 to 11,000 kilocycles; 10,-

800 to 14,100 kilocycles; 13,600 to 23,500 kilocycles.

SPEAKER:

6-inch electro-dynamic. 7 watts power output.

DIAL:

A slanted easy full vision "slide-rule" dial for tuning of all stations on broadcast and short wave bands. Has handsome large slide rule dial, with 8 to 1 ratio tuning, indirectly illuminated, easily read kilocycle calibrated scale.

**CONTROLS:** 

Four wood knobs matching cabinet are: Volume control, tone control, on-off switch;

manual tuning control and wave switch.

TUBES:

1-6K8 radio frequency, oscillator and modulator; 1-6SK7, intermediate frequency amplifier; 1—6SQ7, detector, automatic volume control and audio amplifier; 1—

6K6G, push-pull audio output; 1—5Y3G, rectifier; 1—6U5, tel-eye.

WEIGHT:

25 pounds.

# Sentinel "Studio-Tone" RADIO

4 Tube . . . . 1 1/2 Volt Superheterodyne

No Aerial! No Ground!! Built-In Loop!!!



#### Sentinel's "Sentenna-Scope"

LOW DRAIN BATTERY RADIO
WALNUT BAKELITE TABLE
MODEL 265-W

**17.95** 

List Price — Complete With Tubes
Less Battery Pack
Radio-Dep't—0807

WITH NO. 4090 BATTERY PACK \$22.95 Radio-Dep't—OAVT

#### FEATURES:

- 4 New 11/2-volt Tubes Equal 6 in Performance
- Lowest Battery Drain, Extremely Economical
- Full Broadcast Band Reception
- Compact Walnut Bakelite Cabinet .
- New Large 'Airplane Dial
- Full Automatic Volume Control
- Permanent Magnet Dynamic Speaker
- 1000 Hour Single Pack Economy

#### "Acknowledged to Be the Greatest Value in Farm Radio"

CABINET:

A compact and truly modern table model. Attractive sweeping horizontal grille members set off the rolling panels at top and bottom. Molded bakelite cabinet is beautifully finished in rich walnut. Dimensions: 12" wide, 8" high, 7" deep.

CIRCUIT:

4 tube superheterodyne for 1½-volt operation.

WAVE BANDS:

540 to 1,620 kilocycles.

SPEAKER:

5" permanent magnet dynamic.

DIAL:

Large "Easy Vision" Airplane Dial.

CONTROLS:

Two knobs of molded bakelite matching cabinet are: Volume control on-off switch

and tuning control.

TUBES:

1—1A7GT oscillator and modulator; 1—1N5GT intermediate frequency amplifier; 1—1H5GT detector, automatic volume control and first audio amplifier;

1—1A5GT audio output.

BATTERY EOUIPMENT:

One combination "A-B" battery pack for 1,000 hour use or ordinary 1½-volt "A" batteries and two standard 45-volt "B" batteries. "A" battery drain only two-tenths

amperes, "B" battery drain only 8 milliamperes.

WEIGHT:

 $9\frac{1}{2}$  pounds.

# Sentinel

## "Studio-Tone" RADIO

5 Tube . . . . AC Superheterodyne
110 Volt AC-Electric Radio - Phonograph

WALNUT WOOD TABLE

MODEL 248-G

\$29.95

List Price Complete with Tubes Radio-Dep't 0387



- An Outstanding Superheterodyne Model
- Excellent Sensitivity and Selectivity
- Plays 10" or 12" Records
- New Crystal Pick-up
- 5 Multi-purpose Tubes (No Ballast Tube)
- Full Broadcast Band
- 5" Permanent Magnet Dynamic Speaker
- New Full Vision Vernier Airplane Dial
- 2.2 Watts Power Output
- Full Automatic Volume Control
- Built-in "Sentennascope" Aerial
   (Provision for exterior Antenna-ground)

#### "An Unusual Seller-A Popular Priced Model"

CABINET:

Luxurious and unusually compact table cabinet of beautifully figured walnut veneer woods. Has hinged cover and ornamental horizontal speaker grille louvers. Dimensions: 15" wide, 111/4" high, 111/4" deep.

CIRCUIT:

5 Tube superheterodyne for AC-DC operation. Phonograph operates on AC current only.

**WAVE BANDS:** 

540 to 1,730 kilocycles.

SPEAKER:

5" permanent magnet dynamic.

DIAL:

New full-vision vernier dial with illuminated kilocycle calibrated scale for accurate

tuning.

**CONTROLS:** 

Two knobs matching cabinet are: On-off switch, volume control; tuning control.

Phonograph switch opposite turntable.

TUBES:

1—12SA7, oscillator and modulator; 1—12SK7, intermediate frequency amplifier; 1—12SQ7, detector, automatic volume control and first audio amplifier; 50L6GT

audio output; 1-35Z5GT, rectifier.

WEIGHT:

181/2 pounds.

**NEW 1942** MODEL



"STUDIO-TONE" RADIO

## New "Lightweight Champion" Portable Radio

Electric and Battery Superheterdyne 5 Tube . Featuring New Sentinel "Sentenna" Plug-In Loop



WITH "SENTENNA" Weight only 5 lbs. complete. MODEL 247P List Price

Radio-Dep't Complete with tubes and batteries. **FEATURES:** 

- Operates on Battery or 110 volt AC-DC Light Socket
- Unusual Performance—Ample Power

Excellent Full Tone

- Full Automatic Volume Control
- Permanent Magnet Dynamic Speaker
- 5 Super Efficient Low Drain Tubes
- Amazingly Long Battery Life Beautiful Appearance—Very Compact
- Built-in "Sentennascope" Antenna & "X-Tenna."
- Weight only 5 lbs. complete.

"The Portable That Every Dealer Has Wanted For "A Best Seller."

CABINET:

Beautifully styled case of unbreakable, pliable, tan onyx tenite plastic with smart tan simulated leather trim. Dimensions: Only 43/8 inches wide, 83/4 inches high, 4 inches deep.

CIRCUIT:

5 tube superheterodyne for small portable battery and 110-volt AC or DC electric operation.

WAVE BANDS:

540 to 1,600 kilocycles, covering standard broadcast band. Super sensitive full permanent magnet dynamic speaker.

SPEAKER: DIAL:

Full vernier tuning easy to read dial.

CONTROLS:

Two tenite knobs for volume control and tuning control.

TUBES:

1—R5, oscillator and modulator; 1—T4, intermedite frequency amplifier; 1—S5, detector, automatic volume control and first audio amplifier; 1-S4, audio output and 1-35-Z3 Rectifier.

BATTERY **EQUIPMENT:** SHIPPING

Furnished complete with 2 standard size flashlight cells and one No. 467, 671/2 volt "B" battery or equivalent.

WEIGHT: "SENTENNA":

6 pounds with batteries packed for shipment.

A separate antenna that plugs into set—allowing "Sentenna" to be fastened to car, train, boat or hotel window. To increase sensitivity and performance—Doubles distance getting ability.



## entinel 6 Tube. Superheterodyne

**DELUXE NEW 1941 MODEL** Battery & Electric (3 way) Portable

> MODEL 262-P List Price

No. 262P-Each 078V Radio-Dep't-With battery pack Complete with Tubes and Batteries

#### FEATURES:

- Operates on either self-contained "A" & "B" Batteries or 110 volt AC or DC.
- 6 Multi-Purpose Tubes (No Ballast)
- Super-Sensitive circuit for portable use
- Coast to Coast Reception on Loop.
- Full Automatic Volume Control.
- Illuminated Slant Tuning Control Panel
- Excellent Tone—Full range Most powerful portable made.

Sentinel's Sensational "SEN-TENNA" Separate Loop.

A separate fold-up loop aerial which plugs into either model 262P or 247P. With the "Sen-Tenna" Separate loop Sentinel (3 way) portables can be depended upon to operate and provide reception in Automobiles, trains, bus, planes or steel buildings where ordinary portables will not operate satisfactorily.

A Sen-Tenna Loop is packed free with each Sentinel (3 way) portable—Feature

this feature.

CABINET:

A deluxe portable, unexcelled in performance. Use as a battery portable where light line not available—use as an electric set where lighting current available—sim-

ply throw a switch for desired current.

Smartly covered with stylish simulated leather grained covered case handsomely finished. Convenient carrying handle . . . detachable hinged lid. Batteries and aerial are self-contained in cabinet. The ideal companion for out-of-doors activities. Size 121/4 inches wide, 113/4 inches hgih, 7 inches deep.

6 tube superheterodyne for  $1\frac{1}{2}$  volt operation or 110 volt AC-DC with tuned R. F.

(Radio Frequency) stage.

WAVE BANDS: 540 to 1730 kilocycles, covering standard broadcast and police bands.

SPEAKER:

CIRCUIT:

5-inch permanent magnet dynamic of unusual tone.

DIAL:

An unusual slide rule slant type tuning panel dial. Special self selecting and self indicating voltage control selector illuminated on electric operation.

CONTROLS:

Three bakelite knobs for volume control, on-off-switch; tuning control; on-off 110

TUBES:

volt and battery switch.
1-1N5G, R. F. Amplifier; 1-A7GT, Oscillator and Modulator; 1-1N5GT, Intermediate frequency amplifier; 1—1H5GT, detector, automatic volume control and

first audio amplifier; 1-3Q5GT, Audio output; 1-117Z6GT, Rectifier.

BATTERY **EQUIPMENT:** 

No. 19 Eveready Mini-Max Battery Kit—Separate A & B. Approximately 200 hours.

SHIPPING WEIGHT:

15 pounds less batteries—18 lbs. 5 ozs. with batteries.

#### **PHONOGRAPHS**

#### ECONOMY AMPLIFYING MODEL

Phonola Model 100-K



An electrically amplified portable phonograph of good quality, especially desirable for its lightweight and easy portability. General styling like other **Phonola** electrically amplified models previously described and is highly recommended to those who want a very modestly priced, compact and lightweight portable electric phonograph. Its general performance is ideally suited to the playing of popular records for dancing and other purposes for which its volume and tone quality are entirely adequate. It also makes an ideal "second" portable, for the many purposes to which such an auxiliary instrument can be put. It is a splendid portable phonograph for the boy or girl away at school and for the camp or cottage.

MOTOR: Rim-drive, 78 R.P.M. constant speed, self-starting, air-cooled, rubber cushioned for 110-120 volts, 60 cycles, AC current.

TURNTABLE: 9" flock sprayed, plays 10" records with cover closed. Also plays 12" records.

**PICKUP:** Crystal—in balanced tone-arm for good quality reproduction and low record wear.

**AMPLIFIER:** Specially designed and of good quality—one dual purpose combination rectifier and power tube—output approximately 1.8 watts.

**SPEAKER:** 4", good quality speaker, with transformer, carefully matched to amplifier.

**CONTROLS:** On-off switch in combination with tapered volume control.

CASE: Uniquely styled, perfectly balanced, luggage type, of correct acoustical design.

OTHER FEATURES: Flush-mounted, non-spill needle cup and cover. Extra long cord with plug. Cane type speaker grille and special breather grille for best reproduction of low frequencies.

SIZE: 171/8"x113/4"x51/8".

**COVERINGS:** Fabric in straw- grain—available in (specify color):

(1) Tan

(2) Blue

(3) Maroon

MODEL 100K—Shipping weight, 12½ lbs. Each..\$22.25 Radio Dep't

Packed in individual cartons.

### DELUXE ACOUSTIC MODEL Phonola Models 88-A & 88-E



This deluxe Phonola acoustic portable phonograph is available as Model 88-A in hand wound and as Model 88E in electric motor drive. It is the latest improvement of a standard model which has been universally popular and of which tens of thousands are in use everywhere. The correctness of its basic design has been definitely established and the improvements of the current model make it an outstanding acoustic type. The Model 88-A is also distinguished by its angle wind motor—a Phonola feature. For excellence of performance and attractive appearance at a reasonable price, Phonola Models 88 are a unique value.

MOTOR: American made high quality, spring wound of advanced design. Constant speed, governor type with

lever operated speed regulator, quiet operation.

TURNTABLE: 9" plated rim, velvet covered color harmonizes with case covering. Plays 10" and 12" records. REPRODUCER: Phonola Deluxe Model, our own manufacture. Correct acoustical design including the famous Phonola free floating aluminum diaphragm, double pivoted, balanced needle arm for volume and high fidelity. TONE ARM: Free acting throw back type, tapered air column of correct proportions. All parts die cast. Arm highly polished nickel finish.

highly polished nickel finish.

TONE CHAMBER: One piece heat molded specially coated, producing 24" tone column sealed in place.

GRILLE: Heavy mesh wire custom formed, flock finish. CASE: Luggage type, perfectly balanced of correct acoustical design. All hardware nickel plated. Record compartment carries fifteen 10" or 12" records.

OTHER FEATURES: Flush mounted, non-spill needle

**OTHER FEATURES:** Flush mounted, non-spill needle cup. Extra cup for used needles. Speed regulator, starting lever and winding crank with harmonizing knob.

SIZE: 16½"x7½"x13".

COVERINGS: Water-proof simulated leather, two-tone extra heavy Cordoba. Available in:

(1) Silver gray-green (Gray) (4) Herward Tweed: Medi-

(2) Brown-tan (Tan)

(4) Herward Tweed: Medium tan with 2 stripe bands of light tan and medium

(3) Black-gray (Black)

of light tan and medium brown colors harmonizing with field color. (Tweed)

MODEL 88A—Shipping weight, 14½ lbs. Each...\$16.10 Radio Dep't

PHONOLA MODEL 88E ELECTRIC
Specifications for Model 88E same as Model 88A except it is furnished with a self-starting synchronous motor operates on 110 to 120 volts, 60 cycle AC current, 78 R.P.M. constant speed. On-off switch, extra long cord and plug.

SHIPPING WEIGHT: Packed in individual cartons, 13 lbs.

MODEL 88E—Shipping weight, 13 lbs. Each ....\$16.10
Radio Dep't OSAX

Packed in individual cartons.







